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ALLENTOWN, PA.

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1922

CATALOG

OF

MUHLENBERG COLLEGE

ALLENTOWN, PA.

FOR THE

FIFTY-FIFTH COLLEGIATE YEAR

1922

COLLEGE CALENDAR

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1922

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Jan 2 .....Christmas Vacation ends.
Jan. 17 .....Semi-annual Board Meeting.
Jan. 23-30 .....First Term ends; Mid-Year Examinations.
Feb. 22 .....Washington's Birthday.
April 14-17 .....Easter Recess.
May 15-19 .....Final Examination of Senior Class.
June 5-9 .....Examination of lower classes for promotion.
June 11 .....Baccalaureate Sermon.
June 12 .....President's Reception to the Seniors.
June 13 .....Junior Oratorical Prize Contest, 10 a. m.
June 13 .....Senior Class Day Exercises, 2 p. m.
June 14 .....Alumni Reunion.
June 14 .....Annual Board Meeting, at 10:00 a. m.
June 15 .....Commencement and Conferring of Degrees.
July 3-Aug. 11 ...Summer School.

SUMMER VACATION

1922-1923

Sept. 14 .....First Term begins.
Sept. 30 .....Extension Courses begin.
Nov. 30-Dec. 3...Thanksgiving Recess.
Dec. 22 .....Christmas Vacation begins.

1923

Jan. 2 .....Christmas Vacation ends.
Jan. 22-29 .....First Term ends; Mid-Year Examinations.
Mar. 30-April 2 ..Easter Recess.
June 10-14 .....Commencement Week.

BOARD OF TRUSTEES

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Term Expires.

1923 Mr. C. Raymond Bard .....Reading
1924 Rev. J. L. Becker, D.D.*.....Allentown
1924 Mr. Frank D. Bittner.....Allentown
1924 Reuben J. Butz, Esq.....Allentown
1924 Charles Freihofer.....Philadelphia
1924 D. D. Fritch, M.D.....Macungie
1924 Rev. George Gebert, D.D.....Tamaqua
1924 Mr. Theodore Hetzler.....New York City
1922 Rev. W. D. C. Keiter, D.D.....Allentown
1923 Rev. C. E. Kistler .....Reading
1923 Mr. Oliver M. Clauss.....Allentown
1923 Mr. Harry I. Koch .....Allentown
1923 R. B. Klotz, M.D.....Allentown
1922 Hon. C. R. Lantz .....Lebanon
1922 Mr. George W. March .....Norristown
1923 Mr. E. Clarence Miller .....Philadelphia
1922 Mr. Chas. F. Mosser .....Allentown
1924 Mr. George K. Mosser.....Trexlertown
1923 S. N. Potteiger, Esq. .....Reading
1923 Rev. J. H. Sandt .....Catawissa
1922 Howard S. Seip, D.D.S. .....Allentown
1924 John E. Snyder.....Hershey
1924 Hon. H. J. Steele, LL.D.....Easton
1922 Rev. A. T. W. Steinhaeuser, D.D.....Allentown
1922 Gen. Harry C. Trexler.....Allentown
1923 Rev. S. G. Trexler, D.D. .....Buffalo
1923 Rev. J. H. Waidelich, D.D.....Sellersville
1923 R. D. Wenrich, M.D.....Wernersville
1922 Rev. J. D. C. Witke.....Scranton
1922 Col. E. M. Young .....Allentown

*Deceased.

OFFICERS AND COMMITTEES OF THE BOARD

° ° °

REUBEN J. BUTZ, ESQ., *President of the Board.*
OSCAR F. BERNHEIM, *Secretary and Treasurer, Allentown, Pa.*

CENTRAL EXECUTIVE COMMITTEE

° ° °

REUBEN J. BUTZ, ESQ., *Chairman*
HARRY I. KOCH
D. D. FRITCH, M.D.
REV. J. A. W. HAAS, D.D., LL.D., *Ex-Officio*
REV. J. H. WAIDELICH, D.D.
CHAS. F. MOSSER
ROBERT J. KLOTZ, M.D.
HOWARD S. SEIP, D.D.S.
A. T. W. STEINHAEUSER, D.D.
FRANK D. BITTNER
OLIVER M. CLAUSS

FIELD SECRETARY

° ° °

GURNEY F. AFFLERBACH, Ph.B., M.S.

FACULTY AND INSTRUCTORS

° ° °

REV. JOHN A. W. HAAS, D.D., LL.D.
President's Residence, Campus.
President; Professor of Religion and Philosophy.
A.B., University of Pennsylvania, 1884; A.M., and B.D., University of Pennsylvania, 1887; Graduate Work, University of Leipsic, 1887-88; D.D., Thiel College, 1902; LL.D., University of Pennsylvania, 1914. LL.D., Augustana College, 1917.

GEORGE T. ETTINGER, Ph.D., Litt.D.
1114 Hamilton Street.
Dean; Professor of the Latin Language and Literature.
A.B., Muhlenberg College, 1880; A.M., Muhlenberg College, 1883; Ph.D., New York University, 1891; Litt. D., Muhlenberg College, 1920.

REV. WILLIAM WACKERNAGEL, D.D., LL.D.
626 Chew Street.
Professor of Modern Languages and Literature, Emeritus.
A.M., Muhlenberg College, 1882; D.D., University of Pennsylvania, 1883; LL.D., Muhlenberg College, 1918.

REV. JOHN A. BAUMAN, Ph.D., D.D.
399 Turner Street.
Professor of Mathematics and Astronomy.
A.B., Muhlenberg College, 1873; A.M., Muhlenberg College, 1876; Ph.D., Muhlenberg College, 1894; D.D., Muhlenberg College, 1920.

ROBERT C. HORN, A.M.
115 South West Street.
Mosser-Keck Professor of the Greek Language and Literature, Assistant to the President.
A.B., Muhlenberg College, 1900; A.M., Muhlenberg College, 1903; A. M. Harvard University, 1904; Graduate Work, Johns Hopkins University, 1900-1901; Harvard University, 1903-1904; 1907-1908; 1919.

REV. ROBERT R. FRITSCH, A.M.
2220 Chew Street.
Chaplain; Professor of Religion.
A.B., Muhlenberg College, 1900; A.M., Muhlenberg College, 1903; A.M., Illinois Wesleyan University, 1907; Graduate Work, University of Pennsylvania, 1910-1913.

HARRY D. BAILEY, A.M.
1738 Linden Street.
Professor of Biology.
A.B., Lafayette College, 1904; A.M., Lafayette College, 1911.

STEPHEN G. SIMPSON, A.M.
28 N. Franklin Street.
Librarian; Professor of English.
A.B., Lafayette College, 1896; A.M., Lafayette College, 1899.

REV. JOHN D. M. BROWN, A.M.
117 North West Street.
Professor of English.
A.B., Muhlenberg College, 1906; A.M., Columbia University, 1907; Mount Airy Theological Seminary, 1910; University of Grenoble, Summer 1914.

ALBERT C. H. FASIG, M.S.
131 N. Franklin Street.
Professor of Chemistry.
A.B., Muhlenberg College, 1909; M.S., Muhlenberg College, 1910.

ISAAC MILES WRIGHT, Pd.D.
240 North St. Cloud Street.
Professor of Philosophy and Pedagogy.
B.S., Alfred University, 1904; Pd.M., New York University, 1914; Pd.D., New York University, 1916.

HENRY R. MUELLER, A.M.
119 North West Street.
Professor of History and Political Science.
A.B., Muhlenberg College, 1909; Columbia University, 1914-1917; A.M., Columbia University, 1915; The Sorbonne, 1919.

PRESTON A. BARBA, Ph.D.
Professor of German.
A.B., Muhlenberg College, 1906; M.A., Yale, 1907; Ph.D., University of Pennsylvania, 1911; Graduate Work, Yale, 1906-1907; University of Pennsylvania, 1908-1911; Heidelberg University, 1909; University of Munich, 1910; University of Berlin, 1911-1912; Goettingen, 1912.

REV. CHARLES B. BOWMAN, A.M., B.D.

Professor of Economics and Sociology.

A.B., Northwestern College, 1896; B.D. Drew Theological Seminary, 1900; A.M., Northwestern College, 1903; Graduate Work, University of Wisconsin, Summer 1910; University of Chicago, Summer 1912 and 1914; University of Pittsburgh, Summer 1922.

HAROLD K. MARKS, A.B.

314 North Franklin Street.

Instructor in Music.

A.B., Muhlenberg College, 1907.

ANTHONY S. CORBIERE, Ph.B.

107 North Eleventh Street.

Instructor in Romance Languages.

Ph.B., Muhlenberg College, 1920; Graduate Work, Columbia University, 1920-1921; University of Pennsylvania, 1921-1922.

LUTHER J. DECK, A.B.

232 North Fifteenth Street.

Instructor in Mathematics and Physics.

A.B., Muhlenberg College, 1920; Graduate Work, University of Pennsylvania, 1921.

JOHN V. SHANKWEILER, B.S.

Allentown, Route 4.

Instructor in Biology.

B.S., Muhlenberg College, 1921.

HOWARD R. KISTLER, B.S.

909 North Seventh Street.

Instructor in Chemistry.

B.S., Muhlenberg College, 1915.

RALPH F. MERKLE, M.D.

219 North Seventh Street.

Examining Physician.

B.S., Muhlenberg College, 1915; M.D., University of Pennsylvania, 1920.

WILLIAM S. RITTER, B.S.

Physical Director.

B.S., Muhlenberg College, 1916.

MUHLENBERG COLLEGE

This institution was originally called the *Allentown Seminary,* which name it retained until 1864, when, by an Act of the Legislature of Pennsylvania, it was incorporated with full collegiate powers under the title of the "Allentown Collegiate Institute and Military Academy." In the year 1867 its control passed into the hands of a board of trustees, chiefly members of the Evangelical Lutheran Church, who had the charter amended by the Court of Lehigh County, formed themselves into a joint stock company, named the institution MUHLENBERG COLLEGE, after the honored patriarch of the Lutheran Faith in this country, and established a full collegiate course of studies.

Subsequently the institution, by surrender of the stock, and with a charter amended by the proper Court, was put under the direct control of the "Evangelical Lutheran Ministerium of Pennsylvania and Adjacent States." Its trustees are now elected by that body.

LOCATION

Allentown is located fifty-nine miles north of Philadelphia, and ninety miles from New York City. The city has frequent and direct communications with New York, Philadelphia and other important points by L. V. R. R., C. R. R. of N. J. and P. & R. R. R.; and with Philadelphia by means of the express service of the L. V. Traction Co.

THE COLLEGE
ADMISSION TO FRESHMAN CLASS

Graduates of approved high schools which have a four years' course will be admitted on certificate to the courses for which their previous work has fitted them.

Candidates for admission to the Freshman Class, except such as are admitted on certificate from reputable and properly accredited fitting schools, must sustain an examination. The subjects presented for admission must amount in all to 15 units. A unit consists of a year's work in a subject of four one-hour periods or five three-quarter hour periods per week; or "of a year's study in a subject representing approximately a quarter of a full year's work." The subjects which must be presented for admission to the Freshman Class, together with the number of units at which each is valued, are as follows:

FOR COURSE IN ARTS (A.B.)

Latin	3	Units
German, French or Greek	2	"
English	3	"
Mathematics	2½	"
	10½	Units

And at least four and one-half units from the list given below. One more unit of Latin is desirable.

FOR COURSE IN SCIENCE (B.S.)

German, French, Spanish, or Latin	3	Units
English	3	"
Mathematics	3½	"
Chemistry or Physics	1	"
	10½	Units

And at least four and one-half units from the list given below.

FOR COURSE IN PHILOSOPHY (Ph.B.)

German, French, Spanish, or Latin..	2	Units
English	3	"
Mathematics	2½	"
History	3	"
	10½	units

And at least four and one-half units from the list given below.

SUMMARY OF SUBJECTS AND POINTS

	Units
Latin	3
Advanced Latin	1
Greek	2
Advanced Greek	1
English	3
German	2
Advanced German	1
French	2
Advanced French	1
Mathematics	2½
Advanced Algebra	½
Solid Geometry	½
Plane Trigonometry	½
History, a, b, c, d, each	1
Physics	1
Chemistry	1
Physical Geography	½
Physiology	½
Zoology	½
Botany	½
Astronomy	½

Credit will be given for systematic Bible Study, and for certain vocational and commercial subjects.

ADVANCED STANDING

Sophomore Class. Candidates for admission shall be required to satisfy as many semester hours of Freshman work as we require of our own Freshmen. (See page 18). No student, except one coming from another reputable college, shall in any case be admitted to higher standing than the Sophomore Class.

Junior Class. Candidates for admission shall be required to satisfy as many semester hours of Sophomore work as are required of regular Sophomores. (See page 18).

Senior Class. Candidates for admission shall be required to satisfy as many semester hours of Junior work as are required of regular Sophomores. (See page 18.

No bachelor's degree shall be conferred unless the candidate has been in residence at least one year.

ADMISSION SUBJECTS IN DETAIL

Greek—Greek Grammar, and Prose Composition as found in White's First Lessons in Greek, or equivalent, and four books of Xenophon's Anabasis. 2 units.

Advanced Greek—Homer's Iliad, six books, including Prosody. 1 unit.

Latin—Latin Grammar, and Prose Composition as found in Collar and Daniel's First Latin Book, four books of Cæsar's Commentaries, and six orations of Cicero, including *For the Manilian Law.* 3 units.

Advanced Latin—Virgil's Aeneid, Books I-VI, including Prosody. 1 unit.

English—Preparation in English should include four years and at least four periods a week. The number of works read and studied and the kind of selections should follow in general the "Official List."

BOOKS FOR STUDY

GROUP I. DRAMA—*One to be selected.* Shakespeare: Macbeth, Hamlet.

GROUP II. POETRY—*One to be selected.* Milton: L'Allegro, Il Penseroso, Comus.
Book IV of Palgrave's Golden Treasury (*First Series*) with special attention to Wordsworth, Keats, and Shelley.

GROUP III. ORATORY—*One to be selected.* Burke: Speech on Conciliation with America.
Washington's Farewell Address, Webster's First Bunker Hill Oration, and Lincoln's Gettysburg Address.

GROUP IV. ESSAYS—*One to be selected.* Macaulay: Life of Johnson. Carlyle: Essay on Burns, with a brief selection from Burns' Poems.

BOOKS FOR READING

GROUP I. *Two to be selected.* The Old Testament—at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther. The Odyssey—with the omission, if desired, of Books I-V, XV, and XVI. The Aeneid. For any book from this group a book from any other group may be substituted.

GROUP II. DRAMA—*Two to be selected.* Shakespeare: Merchant of Venice, As You Like It, Julius Cæsar.

GROUP III. PROSE FICTION—*Two to be selected.* Dickens: A Tale of Two Cities. George Eliot: Silas Marner. Scott: Quentin Durward. Hawthorne: The House of Seven Gables.

GROUP IV. ESSAYS, BIOGRAPHY, ETC.—*Two to be selected.* Addison and Steele: The Sir Roger de Coverly Papers. Irving: The Sketch Book—selections covering about 175 pages. Macaulay: Lord Clive. Parkman: The Oregon Trail.

GROUP V. Poetry—*Two to be selected.* Tennyson: The Coming of Arthur, Gareth and Lynette, Lancelot and Elaine, The Passing of Arthur.

Browning: Cavalier Tunes, the Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Herve Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City, The Italian in England, The Patriot, the Pied Piper, "De Gustibus,—" Instans Tyrannus.

Scott: The Lady of the Lake.

Coleridge: The Ancient Mariner; and Arnold: Sohrab and Rustum.

German—German Grammar as found in Joynes-Meissner's Grammar. The student must also have read 250 to 300 pages of German prose and poetry and must have the ability to translate simple English prose into German (about 100 lessons). Some of the books recommended for reading are Glück Auf, Storm's Immensee, Heyse's L'Arrabbiata, Hauff's Das Kalte Herz, Hillern's Hoeher als die Kirche, Zschokke's Der Zerbrochene Krug, Gerstaecker's Germelshausen. 2 units.

Advanced German—As recommended by the Modern Language Association of America, this work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with special reference to the infinitive and the subjunctive), and likewise in word order and word formation. 1 unit.

French—French Grammar. The student must also have read 100 to 175 pages of French in graduated texts and 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches, and must have the ability to translate simple English prose into French. Among the texts that we recommend are: Aldrich and Foster's Grammar, Aldrich and Foster's Reader, Sanderson's Through France and the French Syntax, Bacon's Une Semaine à Paris, Laboulaye's Contes Bleus, Feuillet's Roman d' un Jeune Homme Pauvre. 2 units.

Mathematics—Arithmetic including the Metric System, Wentworth's Higher Algebra thru Quadratics, and Wentworth's Plane Geometry, 2½ units.

Advanced Mathemtics—Higher Algebra ½ unit.
Solid Geometry ½ unit.
Plane Trigonometry ½ unit

History—
(a) American History and Civics. 1 unit.
(b) Greek and Roman History. 1 unit.
(c) English History. 1 unit.
(d) General History. 1 unit.

Science—Physical Geography, Physiology, Zoology, Botany and Astronomy will each count one-half unit. Chemistry and Physics, if accompanied by laboratory work, will each count one unit.

COURSES OF INSTRUCTION

There are three courses, under which the various subjects are grouped, the *Classical,* the *Scientific* and the *Philosophical.* With a necessary nucleus of required studies there is combined in the higher classes such a range of electives as may properly be left to the choice of the individual student. But even among electives certain studies are required of or recommended to those who are preparing for theology or medicine. All other students have as wide and free a choice as a liberal or scientific collegiate education, and the attestation which the respective degrees ought justly and historically to give, will wisely permit.

The Course in Arts, ending in the degree A.B., looks to the general liberal culture, which is a prerequisite for any of the learned professions or for specialization in cultural subjects in university work. The studies in the Course in Arts are also those which will most benefit any man seeking a higher education, that is becoming so valuable in any walk of life, and especially the higher business interests of our age.

The Course in Science, ending in the degree B.S., with a broad basis of general knowledge places the Sciences and Mathematics in the center. It offers a good collegiate preparation for special university work in the Sciences, and is of advantage to the future student of medicine. At the same time it offers a good education for young men who intend to devote themselves to any of the industrial arts.

The Course in Philosophy, ending in the degree Ph. B., is planned in response to a growing demand for a course in which History, Economics, Sociology and

Business Administration should hold the most prominent place. This course aims to lay a broad and deep foundation in the subjects considered essential for a successful career in business or the various professions, while imparting the knowledge, the culture and the training absolutely necessary for the solution of the current problems in economics and business, as well as for the full and satisfactory performance of the daily duties of intelligent citizenship. The course is especially offered and recommended to young men who wish to prepare for business activities and to prospective teachers, who may be allowed to substitute more modern language work in the place of the courses in business administration.

Special courses may be chosen in those departments where it is deemed advisable. But under no conditions will any student be allowed to do so unless he presents the full requirements for admission to the Freshman class.

ADVISERS

Members of the faculty have been appointed to advise students about their studies, schedules, electives, and kindred matters. Students should consult these advisers at the beginning of each year and receive their approval of the work for the year. The advisers are as follows:

For A.B. Group, Prof. Robert C. Horn.
For B.S. Group, Prof. Albert C. H. Fasig.
For Ph.B. Group, Prof. John D. M. Brown.
For Pre-Med. Group, Prof. Harry D. Bailey.

SYSTEM OF CREDITS FOR GRADUATION

The three degrees, A.B., B.S. and Ph.B., are conferred only on the satisfactory completion of one hundred thirty-six (136) semester hours of work.

SEMESTER HOUR

One hour of lecture or recitation work a week thruout the semester, or two hours of laboratory work a week thruout the semester, are accredited as one semester hour.

Semester hours required of Freshmen	32
Semester hours required of Sophomores	32
Semester hours required of Juniors	28
Semester hours required of Seniors	28
	120

In addition four semester hours of Religion are required in each class. Total number of semester hours required for graduation 136. Physical education is required in all classes; no one will be graduated unless this work has been done satisfactorily.

UNITS FOR PROMOTION

Any student who has completed as many as 30 semester hours of Freshman work at the end of his Freshman vear shall be promoted to the Sophomore Class. The work not satisfactorily completed shall be counted as conditions which must be removed during the first term of the following vear.

Any student who has completed as many as 66 semester hours of college work at the end of the Sophomore year shall be promoted to the Junior class. The work

not satisfactorily completed shall be counted as conditions which must be removed during the first term of the following year.

Any student who has completed 104 semester hours of college work at the end of his Junior year shall be promoted to the Senior Class. No student will be admitted to the Senior Class if he has any conditions whatsoever.

Any student who fails of promotion to a higher class, must take over again in class those studies in which he has failed. If he shows special fitness he may be allowed to take some studies with the next higher class; but he ranks as a member of the class from which he was not promoted.

REQUIRED COURSES

A.B. GROUP

Freshmen

		Sem. Hrs.
Religion	I	4
Greek	I or II	6
Latin	I	6
English	I, III, IV	6
German	I or II	6
or		
French	I	6
History	I	4
Mathematics	I, II or III, IV	4
Total		36

Sophomores

Religion	II, III	4
Greek	II or IV	6
Latin	II, III	6
English V and Public Speaking	I, II	6

	Sem. Hrs.
German .....II or III	6
or	
French II	6
History II	4
Chemistry .....I, II	4
Total	36

Juniors

Religion....IV and V, or VI and VII, or VIII	4
Greek IV	4
Philosophy .....I and II	4
English .....VI or X	4
Physics I	4
Total	20

Seniors

Ethics IX	
and	
Religion X	4
English .....VI or X	4
Total	8

B.S. GROUP

Freshmen

Religion I	4
English I	4
German .....I or II	6
or	
French I	6
History I	4
Mathematics VI	6
Chemistry .....III, IV, V	8
Biology I	4
Total	36

Sophomores

	Sem. Hrs.
Religion .....II, III	4
English V and Public Speaking.....I, II	6
One Language	
German .....II, V	4
French II	4
Greek III	4
Mathematics .....VII, VIII	6
Chemistry VI	8
Biology II	8
Total	36

Juniors

Religion .....IV and V, or VI and VII	4
Philosophy .....I, II	4
Physics .....II, III	8
Biology .....III, IV	8
Total	24

Seniors

Ethics .....IX and Religion X	4
Chemistry VII	8
Biology .....V, VI	8
Total	20

Ph.B. GROUP

Freshmen

Religion I	4
English .....I, III, IV	6

	Sem. Hrs.
One Modern Language	
French I	6
German .....I or II	6
Spanish I	6
History I	4
Mathematics .....I, II or III, IV	4
Business Administration I	6
Economics I	6
Total	36

Sophomores

Religion .....II, III	4
English V and Public Speaking.....I, II	6
One Modern Language	
German .....II or III	6
French II	6
Spanish II	6
History II	4
Mathematics V	4
Business Administration II	6
Economics II	6
Total	36

Juniors

Religion .....IV, V or VI, VII	4
Philosophy .....I, II	4
English .....VI or X	4
Sociology .....I, II	4
Physics I	4
Total	20

SENIORS

	Sem. Hrs.
Ethics IX	
and	
Religion X	4
English ..... VI or X	4
Total	8

NOTE—These are the normal courses; in certain cases substitutions may be allowed by the advisers of the different groups, with the approval of the faculty.

ELECTIVES

The required number of semester hours in the Junior year shall be thirty-two (32), and in the Senior year thirty-two (32). In both of these years a sufficient number of elective units must be chosen, which if added to the required units, will total these numbers. As stated elsewhere, all electives must be handed to the Dean on or before June 1st of the year when the elective course is to be taken. The major part of the electives should be chosen from the related subjects of a group.

Junior Electives

Religion	IV-VIII
Ancient Languages—Greek	V-VII
Latin	V, VI, IX
English	VII-IX, XI-XIV
Oratory	III, IV
History	III-VI
Political Science	I, II
Chemistry	VIII
Mathematics	III, IV, IX, X
Pedagogy	I, II
Music	I
Modern Languages—German	III, V
French	III
Spanish	III, IV
Business Administration	I, II
Economics	I, II
Sociology	I-IV
Physics	III
Biology	VIII-XI
Philosophy	VI, VII

Senior Electives

Philosophy	III, IV, VI, VII
Ancient Languages—Greek	V-VII
Latin	VII, VIII, IX
English	VII-IX, XI-XIV
Oratory	III, IV
History	III-VII
Political Science	I, II
Chemistry	VIII, IX
Mathematics	IX, X
Pedagogy	III-VI
Music	II
Modern Languages—German	IV-VI
French	III
Spanish	III, IV
Business Administration	I, II
Economics	I, II
Sociology	I-IV
Biology	VII-XII
Geology	I

RELIGION

The President and Professor Fritsch.

It is essential in a fully developed man that he be conscious of his religious relation, and that he possess adequate and clear ideas of his belief. To aid in this Muhlenberg College has definite courses in religion. These cover the facts and truths of the Bible, and finally endeavor to co-ordinate the moral and religious outlook with modern thought.

Besides these courses there is required daily chapel service. Students are also expected to attend a church of their choice.

REQUIRED OF ALL FRESHMEN.

I. *Studies in the Old Testament.* (4)

The purpose of this course is to give a full and careful survey of the Old Testament, its history, its character and its development. Two hours per week during the year.

REQUIRED OF ALL SOPHOMORES.

II. *New Testament Truth.* First Semester (2)

This course aims at a discussion of the New Testament, particularly with a view to the understanding of its essential truth.

III. *History of the Bible.* Second Semester (2)

A study of the development of our present Bible in the light of ancient manuscripts, and a history of translations and versions with a survey of the contents of the books of the Old and New Testaments.

JUNIORS' CHOICE OF ELECTIVES.

Either IV or VI, and V or VII; or VIII.

IV. *The History of Religions.* First Semester (2)

A comparative study of the development of the leading religions in the world. The design of this course is to trace the different expressions of religious life and finally to show the superiority of Christianity. Text, The Religions of the World, by George A. Barton.

V. *The Social Ideals of the New Testament.*
Second Semester (2)

A discussion through lectures of the Kingdom of God in its relation to modern social problems.

VI. *Literature of the Bible.* First Semester (2)

This course is designed to point out the literary value of the Bible. It includes an analysis of the various books of the Bible and a discussion of its poetry, prose, and philosophy.

VII. *History of Missions.* Second Semester (2)

This course is designed to give an outline of the main missionary developments. It is offered in 1922-1923. In 1923-24 a course will be offered on Religious Education.

VIII. *New Testament Greek and Ecclesiastical Latin.*
Professor Horn and Dr. Ettinger.

For these courses see the statements of the departments of Greek and Latin.

REQUIRED OF SENIORS.

IX. *Ethics.* First Semester (2)

The President. See Department of Philosophy.

X. *Christianity and Modern Thought.* Second Semester (2)

A course of lectures which will endeavor to co-ordinate the results of the different studies in college and the modern thought expressed in them with Christianity in its essential position. The President.

PHILOSOPHY

The President and Dr. Wright.

The purpose of the courses in Philosophy is to develop the power of clear reasoning and accurate statement, to show the value of philosophical system, familiarize with philosophical terms and indicate the movement of philosophical thought.

The study of Psychology is to prepare for a general understanding of the relation of mind and body. The course in Logic is to show the underlying principles of thought and science. History of Philosophy presents the great philosophical problems in their historic connections. Aesthetics is to give an insight into the ideals and principles of the beautiful. Ethics is the necessary supplement to general philosophical study, but also has important practical bearings. All these courses look only to general principles, but prepare for detailed post-graduate university work.

REQUIRED OF ALL JUNIORS.

I. *Logic.* 1st Semester (2)

DR. WRIGHT.

This course embraces the principles of deductive and inductive logic. It discusses the concept, judgment, division, classification, syllogisms, fallacies; agreement, difference, causation, hypothesis, analogy, probability, etc. Sellar's Essentials of Logic.

II. *Psychology.* 2nd Semester (2)

DR. WRIGHT.

The problems of the distinction of psychology and physiology, sensations, perceptions, feeling, thought, volition, the self, etc., are studied in outline, preparing for larger, fuller work. Warren, Human Psychology. (Lectures and parallel references to James, Judd, Angell, Seashore.)

ELECTIVE FOR SENIORS.

III. *History of Philosophy* (4)

THE PRESIDENT.

An intensive course in ancient and modern philosophy on the basis of Cushman, History of Philosophy, Vols. I and II. Lectures, readings and discussions of philosophical problems. Senior elective, two hours, thruout the year.

IV. *Aesthetics.* (2)

PROF. BROWN.

Lectures and reports on the development, the principles, and the relations of the fine arts. A survey of the art of all countries and periods from the Egyptian era to the Twentieth Century, with special attention to the architecture and sculpture of Greece, and the architecture of the Christian Church culminating in the Medieval Cathedral. Readings in Lessing, Ruskin, and Tolstoi.

REQUIRED OF ALL SENIORS.

V. *Ethics.* 1st Semester (2)

THE PRESIDENT.

This course includes lectures and discussions on the foundation of ethics and its relation to religion, Hedonism, Rationalism and Personalism; free will, the conscience, virtue, duty, pessimism; and a practical outline of personal and social ethical relations and duties.

ELECTIVE FOR JUNIORS AND SENIORS.

THE PRESIDENT

VI. *Introduction to Philosophy.* (2)

A general survey of philosophical problems. Lectures. One hour the whole year.

VII. *Political Philosophy.* (2)

A brief outline of political speculation. Lectures. One hour the whole year.

EDUCATION

Dr. Wright.

The following courses are intended for those who desire to prepare for the teaching profession or to do advanced work in the field of education. The work is definitely planned to meet the requirements for the college graduate provisional certificate of the department of public instruction. These courses meet the requirements in New York and New Jersey.

ELECTIVE FOR JUNIORS.

I. *Introduction to Teaching* (3)

This course considers teaching as a profession. It prepares for observation and student teaching, and for the more advanced work in education.

II. *History of Education.* (4)

An elementary course in the history of education. The theories and practices of the ancient world, the mediaeval world, the transition period, and modern times are interpreted in the light of the prevailing social conditions and philosophical, scientific and spiritual tendencies. The development of education in the United States is given full consideration.

ELECTIVE FOR SENIORS.

III. *Educational Psychology.* (6)

It is the aim of this course to present the material which is relevant to the problems of the learning process, to maintain a strictly experimental viewpoint in discussing these problems, to consider tests of intelligence, studying, transfer of training in school work, and the assignment of marks. Senior elective, two hours lecture and recitation and two hours laboratory thruout the year.

IV. *Secondary Education.* (4)

This course deals with the development, administration, organization, supervision, and general methods of the junior and senior high school. Senior elective, two hours thruout the year.

V. *Student Teaching* (2)

The requirements of this course may be met by one hour a day of observation and student teaching with one hour a week of conference in connection therewith for one semester. Junior or senior year.

VI. *Methods of Teaching Specific Subjects* (2)

The following courses, covering two semester hours, are offered by the several departments of the college. It is recommended that at least two be taken by the men preparing to teach. Methods of teaching Greek and Latin, English, Natural Sciences, Physics and Chemistry, Modern Languages, History and Government, Mathematics.

MUSIC

Mr. Marks.

This department does not aim to give formal instruction on any specific instrument, much less to turn out so-called "finished musicians." The object of the courses offered is to afford the student a comprehensive knowledge of the theory and history of music so that he can the better appreciate their true place and value as an element of culture in the development of the individual.

ELECTIVE FOR JUNIORS.

I. *The Theory of Music.* (2)

The Elements of Music, Harmony, Form.

ELECTIVE FOR SENIORS.

II. *The History of Music.* (2)

Antiquity, Music of the Early Christian Age, Polyphonic Music, The Lutheran Reformation, Schools of Music, Contemporary Composers, Biography.

THE ANCIENT LANGUAGES
GREEK

Professor Horn.

Conditions in Greek have changed very much in recent years. At present very few students come to college with any previous preparation in Greek. Our courses are therefore arranged primarily for the benefit of those students who begin Greek in college. The aim is to give the student a firm grasp of grammar and an adequate vocabulary, to acquaint him with some of the best specimens of Greek literature, and to give him an intelligent knowledge of Greek history, geography, institutions, and culture. Students who have the desire and the ability will have every opportunity for intensive study of the Greek language and a wide reading of Greek literature; which will afford preparation for graduate work at the larger institutions of learning.

The department is furnished with the best ancient maps. In the college library there will be reserved many books to which students will be frequently referred, and which will be in constant use. The department is supplied with a number of photographs and lantern slides illustrating Greek art and architecture, history and private life; these will be used for the purpose of instruction.

Each member of every class should own the following books: Goodwin, Greek Grammar, revised edit.; Kiepert's Atlas Antiquus, or Putzger's Historical School Atlas, or Grundy's Small Classical Atlas (Oxford University Press), or Ginn and Co.'s Clas-

sical Atlas; Smith's Smaller Classical Dictionary; Liddell and Scott's Greek Lexicon. Notebooks will be needed.

I. *Beginners' Greek.* (6)

This course is required of candidates for the degree of A.B. who enter college without Greek. Such students are required to take Greek for three years. Allen's First Year of Greek, and Xenophon's Anabasis, Mather and Hewitt.

II. *Second Year Greek.* (6)

This course is required of candidates for the A.B. degree who have taken Beginner's Greek, and by those who entered college with two years of Greek. The work is based on Xenophon, Prose Composition, and Homer's Iliad. Xenophon's Anabasis, Mather and Hewitt, Pearson's Greek Prose Composition, Benner's Selections from the Iliad.

III. *Greek for Scientific Students.* (4)

This course is elective for scientific students who wish to lay a firm foundation for their scientific vocabulary. Stress will be laid upon transliteration, vocabulary, and word-formation. After the more common Greek words in English have been studied, there will be study of the more special scientific terminology. Hoffman's Everyday Greek.

IV. *Third Year Greek.* (6)

Plato's Apology and Crito. First Semester.

Greek Tragedy. Second Semester.

Required in Junior year of candidates for the degree of A.B. who began Greek in college, and of other candidates for the degree of A.B. in their Sophomore year. Plato's Apology and Crito, Dyer, revised by Seymour; Euripides, Alcestis, Jerram; Sophocles' Antigone, D'Ooge; Jebb's History of Greek Literature.

ELECTIVES FOR JUNIORS AND SENIORS.

V. *Greek New Testament.* (4)

A large part of the Greek New Testament will be read and interpreted. Stress will be laid upon the language and content. There will be lectures and reports. Westcott and Hort's Greek New Testament.

VI. *Greek Drama* (4)

One play each of Aeschylus, Sophocles, Euripides, and Aristophanes. A study of the development of Greek Tragedy and Comedy.

VII. *Greek History.* (4)

The work will include lectures, readings, and reports. Some of the reading will be in Greek.

LATIN

Dean Ettinger.

The courses offered in this department are intended to afford the student such a knowledge of the language, the thought, the life and the antiquities of the Roman people and the "Eternal City" as an intelligent cultured American of today may be justly expected to possess. Without aiming to train Latin philologians or Roman archæologists, which is altogether the business of the university, Muhlenberg College offers such courses based on the study of the masterpieces of Roman Literature as will afford an accurate and comprehensive survey of the character, the history and the achievements of this wonderful people, the important part they played in the development of the human race and their contributions to the Modern Languages, literatures, jurisprudence and government in general. The work in this subject furthermore aims to lay the broad

and deep foundations so necessary for successful post-graduate study.

That the student may receive the fullest benefit from the courses in this department, it is absolutely essential that he bring with him, when entering college, such a knowledge of the fundamentals of Latin Grammar and elementary Latin prose composition, together with a fair and ready command of the vocabulary of the Roman speech as will enable him to take an active and intelligent part in the work of the classroom. In this connection we cannot too strongly emphasize the importance of honest and sufficient work in the preparatory school.

[Allen and Greenough's Latin Grammar is used as the general authority and all students are urged to provide themselves with Harper's Larger Latin Dictionary, as the smaller dictionaries will not suffice for the work in the higher classes. The Roman system of pronunciation is used.]

A. *Beginner's Latin* (6)

Especially offered for the benefit of students of more advanced years who have the ability and the determination to fit themselves for more extended work in Latin. Text books selected to suit conditions. Three hours a week Freshman year.

FRESHMAN LATIN.

I. *Livy—Sallust—Cicero.* (6)

Selections from Livy's History of Rome, Sallust's Catiline and Cicero's Letters, with special attention to the vocabulary, forms and construction. There will be a careful review of the grammar combined with original work in composition on the part of the student. ("Selections from Livy, Sallust, Cicero," edited by Scoon, Mierow and Jones, published by

Allyn and Bacon, Boston. Allen and Greenough's Latin Grammar.) Required of A.B. Freshmen, three hours a week thruout the year.

Sophomore Latin.

II. *Horace.* 1st Semester (3)

Selections from the Odes, the Satires and the Epistles, especially the Ars Poetica, with special study of the biographical, historical and mythological allusions and frequent practice in scanning the meters of Horace. (Bennett and Rolfe's Complete Horace). Required of A.B. Sophomores.

III. *Latin Anthology.* 2nd Semester (3)

With a formal study of Latin Literature. ("Latin Selections," edited by Smith, revised by Clement, published by Allyn and Bacon, Boston; and Mackail's "Latin Literature," published by Scribner, New York.) Required of A.B. Sophomores.

Electives.

IV. *What Greece and Rome Have Contributed to Modern Life.* (2)

Based on lectures and readings in standard works on Greek and Roman life and thought. No knowledge of Greek or Latin is needed for the course. One hour a week thruout the year.

V. *Cicero.* (2)

De Oratore. Selections with a survey of Roman oratory and special reference to the rhetorical value of the work. (Owen's De Oratore, published by Sanborn and Co., Boston.) Elective for Juniors, two hours a week, first semester.

VI. *Plautus and Terence.* (2)

The Captives and the Andria, with an introductory study of Roman Comedy. (Elmer's Captivi and Fairclough's Andria, published by Allyn and Bacon, Boston.) Elective for Juniors, two hours a week, second semester.

VII. *Tacitus.* (2)

The Germania and the Agricola. With a special study of the purpose of these works and the conditions of the period of Roman History. (Church and Brodribb's Agricola and Germania, published by Macmillan, New York.) Elective for Seniors, two hours a week, first semester.

VIII. *Lucretius.* (2)

Selections from De Rerum Natura with a survey of Roman Philosophy. (Lee's Lucretius, Books I-III, published by Macmillan, New York.) Elective for Seniors, two hours a week, second semester.

IX.

Elective courses in Roman Antiquities, Roman Archæology, Early Latin, Roman Law, Ecclesiastical Latin, Latin Literature in English and kindred subjects will be offered whenever a sufficient number of students express a desire for such courses.

DEPARTMENT OF ENGLISH

Professor Simpson.

I. *Freshman Rhetoric.* (4)

Lessons on the principles of rhetoric, simple exposition, letter-writing, news-writing, the use of the library, interpretation of literature, and the method of writing reports. Drill by the use of a handbook like Woolley's or The Century Handbook of Writing. Longer themes and appropriate reading on national ideals and problems. Required of all Freshmen. Two hours both terms.

II. *Journalism.*

The study and practice of news-writing. Elective for Seniors and Juniors.

ENGLISH LITERATURE

Professor Simpson.

III. *American Literature.* (1)

Readings in poetry and prose from the Century Readings. Required of Freshmen for A.B. and Ph.B. degrees. One hour, first term.

IV. *Classic Myths in English Literature.* (1)

Required of all A.B. and Ph.B. Freshmen. One hour, second term.

V. *English Literature.* (4)

a. Great English Poets. Reading of selected poems. Reports on biographical and critical works. Required of all Sophomores. First semester, two hours a week.

b. Great English Writers of Prose. Reading of selected essays and chapters. Reports on biography and critical works. Required of all Sophomores. Second semester, two hours a week.

VI. *Development of the English Novel.* (4)

a. English Fiction from Chaucer to Scott. Reading of complete narratives. Lectures on the types of fiction and the

development of the novel. Required in 1922-23. Two hours first semester.

b. English Fiction—Victorian and Recent. Required in 1922-23. Two hours second semester.

ELECTIVES.

VII. *Anglo-Saxon.*

Intended as a preparation for graduate work and for those who intend to teach English grammar or English literature.

VIII. *Social Ideals in English Literature.* (4)

Study of the social message of such works as Langland's Piers Plowman, More's Utopia, etc. Senior and Junior elective. Two hours both terms. Offered in 1923-24.

IX. *Method and Content of English in Secondary Schools.* (1)

Intended as a practical course in the teaching of English. Credit given in the Department of Education. Elective for Seniors and Juniors. One hour, second term.

DRAMA AND GENERAL LITERATURE

Professor Brown.

X. *The Rise and Development of the English Drama.* (4)

A study of the evolution of the English drama from miracle plays to dramas, illustrated by the reading of representative plays of each period including the plays of Shakespeare. Alternates as a required course for Seniors and Juniors with course VI, the Novel.

ELECTIVES.

XI. *Romantic and Victorian Poetry.*

Reading and interpretation of nineteenth century poetry from Wordsworth to Swinburne.

XII. *Masterpieces of Literature.* (1)

The reading and discussion of Homer's Odyssey, Dante's Divine Comedy, and Goethe's Faust, as typical masterpieces of the classical, medieval, and modern periods of literature. Lectures on other masterpieces of literature. One hour, first term.

XIII. *Masterpieces of the Drama.* (1)

The reading and discussion of representative plays from Aeschylus to Ibsen, with special attention to the development of dramatic art through the ages. One hour, second term.

XIV. *Contemporary Literature.* (4)

Lectures on recent Continental Literature. A survey of the novel and drama in modern France, Italy, Spain, Belgium, Holland, Germany, Austria, Scandinavia, and Russia, with the reading of representative masterpieces illustrative of the contemporary literature of each country. This course is designed to acquaint the student with European novelists and dramatists of today. Two hours both terms.

PUBLIC SPEAKING

Professor Brown.

I. *Fundamentals of Oral Expression.* First Semester (1)

Reading aloud. Instruction in the correct use of the voice. Especial attention to eradicating provincialism of speech and impurities of tone. Vocal interpretation of the printed page. Sophomores. One hour, first term.

II. *Extempore Speaking.* Second Semester (1)

An introductory course to train the student to think and speak while on his feet. Sophomores. One hour, second term.

III. *Elementary Course.* (2)

A practical course in public speaking. The aim of this course is to enable the student to speak fluently and effectively before an audience. Seniors and Juniors. Elective, one hour, both terms.

IV. *Advanced Course.* (2)

The preparation and delivery of orations and addresses for special occasions. One hour, both terms. Elective for those who have taken course 3.

THE MODERN LANGUAGES

Professor Barba and Mr. Corbiere.

The study of the Modern Languages is a regular part of the College Course. This department receives a full proportionate share of time and attention, and stands upon the same basis in this respect as Greek, Latin or English; German, French, Spanish and Italian are taught both as living languages to be acquired as a medium of communication and as treasure-houses of scientific, theological and literary material, the key to whose wealth must be owned and readily used by the post-graduate student. Our experience enables us to assert that any student of respectable intellect and industry can acquire the ready use of these languages for conversation, business, or discourse, by embracing the advantages offered him in this department.

In addition to this practical study, a considerable portion of time is given to the direct study of Literature, and of selected works of the greatest authors.

GERMAN

Professor Barba

I. *Elementary German.* (6)

Planned to acquaint the student with the essentials of grammar, and with the vocabularly of daily life in speaking and writing. Composition, dictation, conversation, and the reading of easy texts. For Freshmen. Three hours, both semesters.

II. *Intermediate German.* (6)

Grammar, composition and conversation. Reading of German tales, short stories, novels, lyrics and ballads. For Sophomores. (B.S. Sophomores substitute Course V for the first semester.) Three hours, both semesters.

III. *German Literature to the Close of the Classical Period.* (4)

A study of the most important movements in the development of German literature before 1832. Reports on assigned topics; the study of representative works in German, supplemented by readings of others in English translation. Elective for Juniors. Two hours, both semesters.

IV. *German Literature of the Nineteenth Century.* (4)

A study of the Romantic School, Young Germany, Naturalism, Realism, and Neo-Romanticism. Reports on assigned topics. The reading of representative works in German. Elective for Seniors. Two hours, both semesters. Prerequisite, Course III.

V. *Historical and Scientific German.* (2)

Designed especially for those students who plan to do graduate work, or to enter technical and other professional schools. Required of B.S. Sophomores who have completed the course in Elementary German. Elective for A.B. and Ph.B. Juniors and Seniors. Two hours, first semester.

VI. *German Life.* (2)

The reading of German texts dealing with the history of Germany, its educational institutions, its geography, the customs and manners of the people, its political, social, religious and esthetic life. Current newspapers and periodicals. Elective for Seniors. Prerequisite, Course III. Two hours, second semester.

DEPARTMENT OF ROMANCE LANGUAGES

Mr. Corbiere.

French

I. *Elementary French.* (6)

Conversation, grammar, dictation and translation. Easy French prose will be read. The student will be trained to understand and speak the language. French will be the language of the classroom. For Freshmen.

II. *Intermediate French.* (6)

Continuation of the elements of grammar. Rapid reading of modern novels and plays. Conversation and composition based on the reading. French will be the language of the classroom. For Sophomores.

III. *For Juniors and Seniors.* (4)

The History of French Literature from the beginning to 1900. This course will be conducted in French with the aid of a textbook, and supplemented by lectures whenever necessary. Representative plays and novels will be assigned as collateral reading, and reports written in French will be required. Prerequisites French I and II or equivalent.

IV. *For Juniors and Seniors.* (2)

The Drama in France in the 19th century. This course consists of lectures in English and the reading and discussions of plays by dramatists of the period. Perequisites French I and II. (Not given 1922-23.)

V. *For Juniors and Seniors.* (2)

A synthetic review of the essentials of French grammar, compositions, and oral stories. Prerequisites French I and II. (Not given 1922-23.)

Students who desire recommendation as teachers of the language must pass all the courses offered above.

Spanish

I. *Elementary Spanish.* (6)

Conversation, grammar, dictation and translation. The object of this course is to enable the student to acquire an accurate speaking knowledge of the language and facility in translating the English into Spanish for business purposes. Spanish will be the language of the classroom. For Freshmen.

II. *Intermediate Spanish.* (6)

Training in reading and translating business letters with special attention to South American commercial correspondence.

Rapid reading of modern Spanish authors. The class will be conducted in Spanish. For Sophomores.

III. *For Juniors and Seniors.* (2)

A synthetic review of the essentials of grammar, compositions and oral exercises. Intended for those who expect to teach the language or who wish a more thorough knowledge of idioms and grammar for business purposes.

IV. *For Juniors and Seniors.* (2)

The novel in Spain in the 19th century, consisting of rapid reading of authors of the period and lectures. Reports in Spanish of each book read.

Students who desire recommendation as teachers of the language must pass all the courses offered above.

HISTORY AND POLITICAL SCIENCE

Professor Mueller.

HISTORY

I. *History of Western Europe.* (4)

An introductory and the basic course of the department; a survey of European history from the break-up of the Roman Empire; emphasis placed on the medieval institutions; the Renaissance, the Reformation, the French Revolution, and the struggles for continental supremacy. Required of all Freshmen.

II. *History of Europe Since* 1815. (4)

A detailed study of the Industrial Revolution; the period of reaction; the movements to liberalize governments, the unification of Germany and of Italy; the rise of the Balkan States, the struggle for colonies, the World War, the Peace Conference, and post-bellum problems. Required of A.B. and Ph.B. Sophomores.

JUNIOR-SENIOR ELECTIVES.

III. *American History to* 1829. (4)

A study of the period of discovery and colonization, the in-

tercolonial wars, colonial friction and revolt, the attainment of independence, the founding of the new government, political development.

IV. *History of the United States Since* 1829. (4)

A continuation of the preceding course; emergence of the slavery question, struggle between the sections for political ascendancy, the Civil War, reconstruction, industrial development, the World War, and readjustment. Given 1922--1923.

V. *Industrial History of England.*

Industry in early England, rise and development of the manorial system, the towns, the gild systems, the enclosure movements, the industrial revolution, rise of the factory system, trade unionism, social reforms.

VI. *Industrial History of the United States.* (2)

Business aspects of colonization, industrial development under British control, economic causes of the revolution, problems of the government considered in their social and industrial relation, expansion of the country, rise of large corporations, and governmental control of industry and trade. Second semester 1922-1923.

VII. *Teachers' Training Course.* (2)

The course is intended for those expecting to teach history in the secondary schools. Training in the historical method of gathering, organizing and presenting material. Open only to those who have credit for at least twelve semester hours of history. Given 1922-1923.

POLITICAL SCIENCE

JUNIOR-SENIOR ELECTIVES.

I. *Introduction to Political Science.* (2)

Nature of the state, establishment of government, governmental organization, function of government, relation of the individual to the state. First semester 1922-1923.

II. *American Government and Politics* (2)

Origin and evolution of the federal and state governments, powers and functions of the governmental agencies.

DEPARTMENT OF SOCIOLOGY, ECONOMICS AND BUSINESS ADMINISTRATION

Professor Bowman.

Our complex social life, which involves everybody, presents problems and consequences compelling the consideration of the best minds. The student who plans for an active participation in any of the relations of every-day living, familiarizes himself with the principles, organization, function and responsibility of the social order.

The course in Sociology introduces the student to a broad, sound and relatively comprehensive grasp of the present social structure.

Economics deals with the real problems of every-day material, prosperity and happiness. The subject prepares the way for careful thinking and acting upon these vital matters.

Every man should know something of business, its forms, conventions, laws, activities and ethics. The study of Business Administration will be of practical use in the daily life of the student and his future career.

BUSINESS ADMINISTRATION

I. *The Elements of Business.* (6)

Required of Ph.B. Freshmen; Elective for other classes.

Business correspondence, contracts, notes, deeds, mortgages, banking, interest, wholesaling, retailing, commission, partnership, manufacturing and corporations. Three hours a week for the whole year.

II. *Advanced Course in Business Administration.* (6)

Required of Ph.B. Sophomores; Elective for others.

Enterprise, investment, organization, management, production, price, cost, profit, salesmanship, expansion, commercial law and business ethics. Three hours a week for the year.

ECONOMICS

I. *Principles of Economics.* (6)

Required of Ph.B. Freshmen; Elective for others.

A study of the nature and scope of the science, of economic motive, utility, demand, value, wealth, capital, market, exchange, capitalization, trade and distribution. Three hours a week for the year.

II. *Advanced Economics.* (6)

Required of Ph.B. Sophomores; open to those who have taken Economics I.

Evolution of Economic Society. Principles and problems of production, consumption and distribution. A study of money, banking, the Federal Reserve System, English, French and German banking, international exchange, transportation, insurance, taxes, public finance. Three hours a week for the year.

SOCIOLOGY

I. *Principles of Sociology* (1922-1923) First Semester (2)

Required of Ph.B. Juniors; Elective for other Juniors and Seniors.

The nature of the study, social evolution and organization, theories of socialization, analysis of the social order, social control, laws of sociological phenomena, and the social objective. Two hours a week.

II. *Practical Sociology* (1922-1923) Second Semester (2)

Required of Ph.B. Juniors; open to those who have taken Sociology I.

Studies in population, immigration, races, classes, family, housing, sanitation, recreation, charity, divorce, delinquency. Assigned readings, survey, and original investigation of social conditions and social agencies. Special attention will be given to "Inner Missions" as these activities relate to the task of social relief. Two hours a week.

III. *Problems of Labor* (1923-1924) First Semester (2)

Required of Ph.B. Juniors; Elective for others.

Nature of employment, wages, hours, trade unions, unemployment, labor legislation, agencies for industrial peace, workmen's insurance and coöperation.

IV. *Social Pathology* (1923-1924) Second Semester (2)

Required of Ph.B. Juniors; open to those who have taken Sociology I and II.

Dependents, defectives, delinquents, crime, penology, social failures, public health, eugenics, psychopathic treatment and institutions. Two hours a week.

ELECTIVES.

V. *Rural Sociology.* (2)

Open to those who have taken Sociology I.

Rural social organizations, land question, rural welfare, health, social mind, morality, education, church, recreation, socialization, and problem.

VI. *Problems of Economic Organization.* (2)

Open to those who have taken Economics I.

Railway problems, extension, organization, rates, competition, economics, capitalization, speculation, public ownership and control.

Problems of combinations and trusts. Socialistic solutions. Safe and unsafe theories.

DEPARTMENT OF MATHEMATICS AND PHYSICS

Professor Bauman and Mr. Deck.

The Department aims at the following results:

1. To train the mind to reason clearly and logically.
2. To teach the student to be exact, quick of comprehension, and systematic in presentation.
3. To impart facility in applying mathematical principles to practical problems.

4. To lay the foundation for future special work in the various branches of the subject.

MATHEMATICS FOR A.B. and Ph.B. FRESHMEN

Professor Bauman.

I. *Higher Algebra.* 1st Semester (2)

The A.B. and Ph.B. students will have two hours a week in Higher Algebra in the first semester, beginning with Indeterminate coefficients through binominal theorems, logarithms, permutations and combinations, series, theory of equations, including graphical representation of functions, Horner's Theorem, Sturm's theorem and Cardan's solution of cubic equations. The necessary preparation for this course will be Elementary Algebra, including quadratic equations, arithmetical, geometrical and harmonical series.

II. *Solid Geometry.* 2nd Semester (2)

The A.B. and Ph.B. students will have two hours a week in Solid Geometry through the second semester and will take sixth, seventh, and eighth books of Wentworth's Revised Solid Geometry, comprising lines and planes in space, polyhedral angle, prisms, pyramids, similar polyhedrons, cylinders, cones, prismatoid formula, circles of spheres, spherical triangles, spherical polygons, areas of spherical triangles, and of surface of sphere, volume of spheres, spherical sectors and spherical segments, with numerous practical problems as applications of the theoretical principles studied.

III. *Physiography.* 1st Semester (2)

Freshmen who present Higher Algebra for entrance will take this course of two hours a week for the first semester. The course may also be elected by Juniors. It is intended for those who owing to circumstances cannot elect Geology, Astronomy, and Meteorology as principal subjects, and yet desire a fair knowledge of the facts and principles of these sciences.

IV. *Meteorology.* 2nd Semester (2)

This embraces the elements of the science as given in Davis' Elementary Meteorology, together with practical work. Required of Freshmen who offer Solid Goemetry for entrance.

MATHEMATICS FOR Ph.B. SOPHOMORES

Professor Bauman.

V. *Trigonometry.* (4)

The Ph.B students will use Wentworth's "Trigonometry, Surveying and Navigation," and practically cover the whole text-book, including solutions of right angled triangles, goniometry, solution of oblique angled triangles, numerous practical applications in the measurement of heights and distances, right and oblique spherical triangles, application to simple astronomical problems, triangulation, land surveying, leveling, railroad surveying, division of land, with many practical problems and some illustrative field work, plane sailing, parallel and middle latitude sailing, traverse sailing, and some nautical astronomy.

MATHEMATICS FOR B.S. FRESHMEN AND SOPHOMORES

Mr. Deck.

VI. *Mathematical Analysis.* (6)

A general course in mathematics. A course designed to give the student who may not wish to specialize in mathematics a good knowledge of algebra, trigonometry and analytical geometry. Required of B.S. Freshmen.

VII. *College Algebra.* 1st Semester (3)

Solution of higher equations; infinite series; permutations and combinations; determinants; partial fractions; inequalities. Required of B.S. Sophomores.

VIII. *Analytical Geometry.* 2nd Semester (3)

Advanced course. Equations of straight lines and conic sections; transcendental and parametric equations; introduction to solid analytical geometry. Required of B.S. Sophomores.

ELECTIVES.

Professor Bauman.

IX. *Calculus.* (6)

A course for the student to become acquainted with the general principles of the derivative, differential, indefinite and

definite integral; how to differentiate and integrate the simplest functions and to evaluate numerically certain definite integrals; applications to problems in mechanics, maxima and minima briefly discussed. Elective for Juniors and Seniors.

X. *Astronomy.* (2)

General descriptive astronomy with laboratory work, including study of the heavens by means of charts, the celestial sphere, photographs of planets, the telescope and spectroscope. Only knowledge of algebra required. Elective for Juniors and Seniors.

PHYSICS

Mr. Deck.

REQUIRED OF A.B. AND PH.B. JUNIORS.

I. *General Physics.* (4)

Lectures and recitations. The endeavor is made to present the subject in such a way that its different branches may be correlated in one science of energy. The lectures are illustrated and all the experiments planned to keep the above object in view.

The phenomena and practical applications based on physical principles with which the student comes in daily contact are especially emphasized.

REQUIRED OF B.S. JUNIORS.

II. *College Physics.* (4)

Standard college course.

III. *Laboratory Work in General Physics.* (4)

The experiments are for the most part quantitative in character and give practice in mechanics, heat, light, electricity and sound. The laboratory work will be prefaced by several lectures on methods, determination and use of data, graphic methods, interpretation of results, etc. Elective for A.B. and Ph.B., required of B.S. Juniors.

DEPARTMENT OF CHEMISTRY

Professor Fasig and Mr. Kistler.

The course in Chemistry is intended to be intensive rather than extensive. The endeavor is made to teach *thoroughly* and impart a clear-cut knowledge of the *fundamentals* of the above-named science. The attention of the student is also directed to its practical applications.

The primary object of the course in general chemistry is to furnish the student a basis for the explanation of the phenomena presented to him in his daily life. The elective work will prepare the student for advanced work after graduation.

In the laboratories the student receives the *personal* attention of the professor and instructor during the laboratory period. The laboratories are open, however from nine a. m. to five p. m. every day, so that work may be done during any part of the day, provided that it will not interfere with other classes.

Stress is laid on the keeping of a notebook on both the lecture and laboratory work. The notebooks are carefully corrected and returned to the student with suggestions and references to the work in hand. If the laboratory work be poorly done, it will be repeated until good results are obtained. But if after earnest effort the pupil cannot find the error the professor will review with him that part of the work in which the error occurs.

REQUIRED OF A.B. SOPHOMORES.

I. *General Course.* (2)

This course constitutes an introduction to the study of chemistry. No previous knowledge of the subject will be assumed. The work of the first term is devoted to the laws and

theories on which the science is built. The remainder of the year is devoted to the study of the metals, their occurrence, preparation and industrial value.

II. *Laboratory—General Chemistry.* (2)

The work will be devoted particularly to the study of acids, bases, salts, air, water and a short course in the separation of the metallic and acid radicals.

REQUIRED OF B.S. FRESHMEN.

III. *General Chemistry for B.S. Students.* (4)

This is a more advanced and thoro course than I.

IV. *Laboratory—General Chemistry.* 1st Semester (2)

This course is particularly designed to supplement course III. It is designed to illustrate and elucidate the fundamental principles of the science; to exemplify the simpler methods of chemical preparation and to develop the manipulative skill of the student.

V. *Laboratory—Qualitative Analysis.* Second Semester (2)

This is mainly a laboratory course, with frequent conferences and quizzes on the chemical reactions involved and lecture demonstrations on the practical work. The separation of the more common metallic and acid radicals forms a basis of the laboratory work. The endeavor is made to have the work so done that the student will be enabled to analyze any mineral or inorganic technical product, soluble or insoluble. Prerequisite IV.

REQUIRED OF B.S. SOPHOMORES; ELECTIVE FOR OTHERS.

VI. *Quantitative Analysis.* (Lectures, Recitations and Laboratory Work.) (8)

The course will be divided into three parts: (1) Calibration of weights, flasks, etc. (2) Volumetric analysis. (3) Gravimetric analysis. While the more familiar determinations in these groups will be required, the amount of ground covered in each will depend on the student's ability and the time he can devote to the subject. Prerequisites III, IV, V.

REQUIRED OF B.S. SENIORS.

VII. *Organic Chemistry.* (8)

Lectures, recitations and laboratory work. The lecture and laboratory courses combined give a thorough knowledge of the elementary compounds of carbon. Textbook: Organic Chemistry, Perkins and Kipping. Prerequisite III, IV.

ELECTIVE FOR JUNIORS AND SENIORS.

VIII. *Industrial Chemistry* Mr. Kistler (8)

Lecture, recitation and laboratory. Prerequisites: Chemistry III, IV, V, VI.

ELECTIVE FOR SENIORS.

IX. *Elementary Theoretical and Physical Chemistry* (4)

Lecture, recitation and demonstration. Two hours per week throughout the year. Prerequisites: Chemistry III, IV, V, VI and Physics II and III.

DEPARTMENT OF BIOLOGY

Professor Bailey and Mr. Shankweiler.

The courses of the Biological Department have been arranged to offer work to the students throughout the Freshman, Sophomore, Junior and Senior years.

The courses have been designed to meet the requirements of those students who desire general collegiate culture and also those who expect to enter the professions of medicine and teaching.

Throughout the work emphasis is laid upon the economic features of the science and whenever possible such forms of life are chosen for study as possess economic as well as systematic value. Especial pains are taken to familarize the student with those forms of animals, insects, trees and flowers which bear some relation to man.

Considerable biological material has been mounted up for class demonstration purposes and is used

regularly in each of the courses. A large number of lantern slides has also been accumulated and in each of the courses the class and laboratory work will be supplemented by illustrated lectures.

Following is a brief outline of the courses offered:

REQUIRED OF B.S. FRESHMEN.

I. *Botany.* Throughout the year (4)

The course includes Cryptogamic and Phanerogamic Botany. Emphasis is laid on physiology, ecology, structure and classification. Special attention is directed to such plants as bear an economic relation to man. Field work is done during the spring months.

REQUIRED OF B.S. SOPHOMORES.

II. *Zoology.* Throughout the year (8)

The morphology, habits, life history and classification of representative invertebrate and vertebrate animals are studied. Emphasis is laid upon thre principles of heredity, the evidence and factors of evolution, and interesting instances of parasitism. Regular dissection is required. The Biological Museum contains mounted and preserved specimens of most of the local species of vertebrates and invertebrates.

REQUIRED OF B.S. JUNIORS.

III. *Bacteriology.* First Semester (4)

The cause and prevention of disease, the isolation and study of the various forms of bacteria in water, milk, soil and air, the problems of water purification and sewage disposal, plant diseases, etc., are subjects included in this course. All of the important tests and methods of study evolved during, and since, the war are employed.

IV. *Physiology and Hygiene.* Second Semester (4)

This course acquaints the student with the functions of the human body and the methods of personal hygiene. Field and laboratory work supplement book study. The course is intimately related to the daily life of the student.

REQUIRED OF B.S. SENIORS.

V. *Histology.* First Semester (4)

Methods of fixing, embedding, sectioning, staining, mounting, and studying mammalian tissues constitute the work of this course. Microtomes, compound microscopes and other instruments are available for the laboratory work.

VI. *Embryology.* Second Semester (4)

A study of the origin and development of the organs of the frog, chick and man is made. Problems relating to the maturation, fertilization and segmentation of the egg, the origin of the germ layers, and the early development of the principal vertebrate tissues and organs are considered. The student is required to incubate the egg of at least one vertebrate, and to imbed, section, and study the embryo of same.

ELECTIVE COURSES.

VII. *General Biology.* Throughout the Year (2)

This course is designed to meet the needs of those students, who because of other requirements have not been able to elect the regular biological courses but who nevertheless desire to obtain a general knowledge of biological principles and phenomena before leaving college. The course aims to cover, in brief fashion, all of the important phases of biology. It is in no respect a substitute for the regular courses. Subjects such as the following receive attention: Botany, Bacteriology, Forestry, Plant Diseases, Zoology, Distribution of Plants and Animals, Economic Biology, Evolution, Paleontology. Elective for Seniors.

VIII. *Comparative Anatomy of Vertebrates.* 1st Semester (4)

The course consists of the dissection and study of fish, amphibians, reptiles, birds and mammals. The organs and systems of each animal are carefully compared with those of the other animals studied.

IX. *Economic Entomology.* 2nd Semester (4)

The life histories of our most important beneficial and injurious insects are studied. Stress is laid on methods of control, and, as far as possible, practical work is done in the field.

A mounted collection of 25,000 forms aids the student in this course.

X. *Plant Histology.* 1st Semester (4)

Methods of staining, mounting and preserving plant material —algae, fungi, mosses, ferns and flowering plants—are studied. Each student is required to make his own collection of plant mounts.

XI. *Methods of Teaching Biology.* 2nd Semester (2)

This course is intended for prospective teachers of the Biological Sciences. Methods of class room and laboratory instruction, the equipment and care of a laboratory, the collection and preservation of field materials, etc., are included in the work.

XII. *Photography.* Throughout the Year (4)

The work includes the photography of field and laboratory biological material, the making of lantern slides and photomicrographs, printing, enlarging, reduction, color photography, etc.

DEPARTMENT OF GEOLOGY

Professor Bailey and Mr. Shankweiler.

I. *Geology.* Throughout the Year (4)

Elective for Seniors.

The course comprises work in structural, dynamic and historical Geology. Constant use of the excellent collection of rock specimens in the Geological Museum is made. Maps are drawn, showing the relations of land and sea during each geological period, and the deposited strata and their included organisms will be carefully studied. A complete geological study of Lehigh County is made, the class taking local field trips and noting outcrops of the different rock formations. A series of charts and a collection of named fossils greatly aids the students in comprehending the plant and animal life of past geological times.

PHYSICAL EDUCATION

Dr. Merkle and Mr. Ritter.

The aim of this department is to guide the normal student to grow symmetrically and to advise the defective who are weak from heredity, poor development or ignorance how to correct these defects, and to quicken the mind to ready action through promptness in class drill.

The tabulation of the present system of medical examinations and physical measurements shows the student wherein he exceeds or falls below the average. In addition to the general gymnasium exercises specific directions are given to overcome hereditary or acquired defects. The three-fold record of each student is tabulated and kept by the standard card system and at varying intervals revised by re-examinations.

The well-equipped FonDersmith Gymnasium, with adjoining baths, dressing room and lockers, is provided for this work.

A large field for baseball, football, quarter mile running track and tennis courts offer the very best facilities for out-door athletics.

During the fall and spring all students are given outdoor work and during the winter inside work in the gymnasium. Additional and special training are offered to all upper classmen.

REQUIRED OF ALL NEW STUDENTS.

A. *Physical Examination.*

Defective men have prescribed exercises to correct defects caused by heredity or environment.

REQUIRED OF ALL STUDENTS EACH YEAR.

I. *Callisthenics* (Free Exercises). Throughout the year. 1 hr.

Lessons for corrective and general development work. The course will cover the use of wands, clubs, dumb bells, and free hand drills.

II. *Recreational Games.* Throughout the Year. 1 hr.

This course will include instructions and practical work in Mass Games, Track and Field Athletics, Basketball.

ELECTIVE FOR JUNIORS—THEORY.

III. *Education by Plays and Games.* First Semester. 1 hr.

This course embraces a brief history and place of play in education. A curriculum of plays and games graded by age from infancy to middle teens. Not only considering age but also sex and seasons as well.

IV. *Ailments Common to Athletes and First Aid.* Second Semester. 1 hr.

This course is designed to cover the whole field of athletic training.

What is training? What is conditioning? Treatment of injuries.

ELECTIVE FOR SENIORS—THEORY.

V. *Best Methods of Teaching Gymnastics.* 1st Semester. 1 hr.

This course is intended for prospective teachers. It endeavors to prove that the laws of pedagogy are as applicable to teaching gymnastics as to teaching the three R's.

Why do we teach gymnastics? What shall we teach?

VI. *Physiology of Muscular Exercise.* 2nd Semester. 1 hr.

This course endeavors to point out the great changes and adjustments in the body necessary in carrying out efficient muscular exercise.

SPECIAL LECTURES

A number of special lectures are delivered during the college year by persons eminent for ability in various directions; these are free to all students and alumni of the institution, and have been largely and profitably attended. This feature will be carefully maintained in the future as a source of instruction in specialties, in recent topics of interest, and for general information upon subjects not embraced in the ordinary department work.

LIBRARY AND READING ROOM

Professor Simpson, Librarian.

The College Library is open as follows: 9 to 12 a. m., 2 to 5 and 7 to 9 p. m., and Saturdays 9 to 11 a. m. All books are on open shelves freely accessible to all students. The professors of philosophy, history, sociology and literature assign a large amount of reading to be done in the library; four or more copies of the most necessary books are provided for this collateral reading.

The books in the reading room, which is open at all times, include the latest edition of the Encyclopedia Britannica; other encyclopedias, Americana, International, Chambers, etc.; Warner Library of the World's Best Literature; bound volumes of Harper's Magazine, numbers 1 to 103, and the revised edition of The Century Dictionary and Atlas.

The number of books now listed is: College Library, 16,000; Sophronia, 3407; Euterpea, 5793; S. A. Bridges Stopp Memorial Library, 5908. Total 31,008.

Since December 15, 1920, there have been added, in addition to the S. A. Bridges Stopp Memorial Library, 866 volumes, of which 265 were purchased and the remainder added by gift, binding, and accessioning of former gifts.

An appropriation has been made for binding the magazines, and a beginning of this necessary work will be seen this year.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The Young Men's Christian Association conducts many lines of religious work. Study groups in missions and kindred problems meet every week under the general supervision of a member of the faculty. There are occasional addresses by religious workers of national reputation, and weekly chapel talks by prominent clergymen and laymen of Allentown and vicinity. Sunday-school work is actively engaged in, and regular church attendance encouraged. An efficient employment bureau secures positions for students wishing to earn money on Saturdays and holidays. Members of the college Y. M. C. A. may use the large swimming pool, the gymnasium, and the reading and game rooms of the city association. Religious literature is distributed free to all students.

This assocaition stands definitely for a life governed by Christian principles; every effort is made to exert a wholesome guiding influence upon new students, and to inculcate in them ideals of true Christian manhood. The faculty commends heartily the work of the association.

COMMON ROOM

A large room on the first floor of the Administration Building is equipped with comfortable furniture and a victrola, and is maintained by the Women's Auxiliary of the college. This rest room is designed as a general gathering place for all students.

ATHLETICS

The athletic equipment of the college comprises a gymnasium fitted with all apparatus necessary for class work, a football field, baseball diamond, quarter-mile cinder track, pits for pole-vaulting and jumping, and a group of tennis courts.

The football, basketball, and track teams have achieved unusual distinction in intercollegiate contests with colleges and universities in the Middle Atlantic States. Tennis tournaments are held every spring. There are also cross country and baseball teams. Interclass games are played at various times throughout the year, and prizes are awarded to the winning classes.

Every man who is physically fitted to compete in any of these sports is encouraged to try for a place on the varsity team. The college believes in having as many students as possible take part in athletic contests in order that the body as well as the mind may be trained.

STUDENT PUBLICATIONS

The following publications are issued by the students:

The Muhlenberg Weekly. A weekly college paper devoted to local interests of the student body, and forming a record of passing events, athletic, social and otherwise, including general activities among the Alumni.

The Ciarla. An annual illustrated volume issued in June by the Junior Class, and presenting a summary of student life during the current scholastic year.

STUDENT ORGANIZATIONS

Musical

Professor Marks of the Department of Music is faculty director of all musical organizations.

The Glee Club makes regular concert tours in Pennsylvania, including in its itinerary every season Scranton, Hazleton, Philadelphia, Reading, Lancaster, Harrisburg, Lebanon, Allentown and many other cities. The Club sings annually to audiences of more than ten thousand.

The Mandolin Club accompanies the Glee Club on tour, and makes occasional concert tours of its own.

Dramatic

An active dramatic organization, *The Cue and Quill Club*, affords training in acting and in staging plays, and presents either a group of one-act plays, or a three or four-act comedy, during Commencement Week.

Fraternities

Four fraternities, Alpha Tau Omega, Phi Kappa Tau, Delta Theta and Phi Epsilon, two national and two local, have chapters and chapter houses at Muhlenberg College.

Public Speaking

Muhlenberg College is a member of the Pennsylvania Intercollegiate Oratorical Union, other members of which are Swarthmore, Franklin and Marshall, Gettysburg, Ursinus and Lafayette. During the past ten years Muhlenberg College has won first prize three times and second prize five times. The Junior Oratorical Contest, held during Commencement Week, affords another opportunity for training in speaking before an audience. Students are encouraged to enter all these speaking contests.

SITUATION

Muhlenberg College is situated in the rapidly growing western section of the city. The modern buildings are in the midst of a campus of seventy-two acres, upon a ridge, from which are obtained splendid views of the surrounding country. The conspicuous location of the college, amid beautiful natural surroundings, can hardly be surpassed by any educational institution.

THE ADMINISTRATION BUILDING

This building occupies the highest part of the new college grounds, facing south, and is 190 feet long and 65 feet wide, three stories high, with a basement. It

is built of a pink granolithic stone, with Indiana limestone trimmings, in the English Renaissance style of architecture. The facade shows a central tower, which is flanked with gables on each end, the intervening wall being topped off with dormer windows.

The building is of what is known as "slow-burning construction," with iron staircases, heated by steam and lighted with electricity, supplied from a central plant. Its appointments and furnishings are modern throughout.

The basement contains a gymnasium with bath and locker-rooms, a basketball room, bicycle and coat rooms, lunch rooms, and Physical Director's room. The first floor contains a reception room, offices for the President and Treasurer, the latter connecting with a fire-proof vault, chapel, and five lecture rooms.

The second floor contains the library and reading rooms, physical laboratories, and four lecture rooms.

The third floor contains the biological laboratory, the common room, German Lecture room, and rooms for "The Muhlenberg" and Press Club, and the museums of geology and botany.

THE DORMITORIES

The general scheme of the dormitories is that of a rectangle, following a typical Oxford or Cambridge system. They are divided into sections accommodating from twelve to sixteen students each, and are entered from the quadrangle through separate doorways, each section having its own hall and staircase with rooms on either side. All the sections are supplied on

each floor with steam heat, electric light, hot and cold water, shower baths, and toilet-rooms.

The main entrance to the dormitories is flanked with towers which contain, on the first floor, an office, a reception room, a janitor's room and a baggage room.

The front elevation of the principal dormitory is 183 feet long and three stories high. This building is called "Berks Hall," in honor of the Lutherans of Berks County, Pa., who undertook to raise $35,000 to pay for its erection. It accommodates seventy-five students.

Mrs. Anna Louisa Rhoads, of Reading, Pa., has erected an additional section along the eastern side of the rectangle as a memorial for her son, John Warren Rhoads.

Luther League Hall has been erected by the Luther Leagues of the Ministerium of Pennsylvania. This section of the Dormitory has begun the western side of the rectangle.

Three new sections of the dormitories were added in the fall of 1914.

CHEMICAL LABORATORY

A completely equipped power-plant furnishes an ample supply of steam heat and electric light for all the buildings on the college grounds. In this building provision has been made for the chemical laboratory and dissection room, until the chemical laboratory can be housed in a building of its own.

THE COMMONS

The Athletic Association has erected a beautiful, well-equipped and commodious commons, where all dormitory students are required to take their meals.

The price of the board is $6.00 per week. No deductions from this price will be made except in cases where students are absent for one full week or more.

RESIDENCES

Separate homes for the President and Treasurer are situated on the Campus. These houses are new brick structure, as nearly fireprof as possible and thoroughly modern in appointments.

URGENT NEEDS OF THE COLLEGE ENDOWMENT

At this time when the oldest, the largest and the wealthiest colleges and universities in the country are pleading poverty and are asking millions of dollars for endowment, Muhlenberg College asks her alumni, friends and the public in general for such an increase in her endowment as will enable her to pay her professors a living wage in return for the loving loyalty and the sacrificing service which they have given her, and through her to Church and State, during the fifty years of her existence. Larger endowments for increased salaries is the first and the most crying need of the college.

LIBRARY

Books are the tools of the student and the teacher. In order that there may be the proper expansion of courses in keeping with the scholarship of the times, a large collection of all the latest books in each department, so arranged and housed that the world's knowledge on any particular subject is easily accessible to

student and teacher, is absolutely necessary. A commodious, well-appointed library building, together with a permanent fund for the purchase of new books, accordingly, is our second great need.

SCIENCE BUILDING

The third great need is a Science Building. The work in all the departments of science is greatly inconvenienced, if not at times hampered, by the limited quarters of the laboratories, the recitation rooms and the museums, caused by lack of a separate building which should be used solely for the rapidly expanding courses in science.

CHAPEL AND AUDITORIUM

Another pressing need of the college is a building which would be the social centre of the institution. In addition to the chapel and an auditorium for lectures and commencements such a building should furnish a home for all student organizations and the college activities, such as the Y. M. C. A., the Glee Glub, the Muhlenberg Weekly, and all other regular interests of college life, thus relieving the cramped condition of the Administration Building and enabling each professor to have a permanent room of his own instead of traveling about and using the rooms of other teachers, as many are at present compelled to do.

GYMNASIUM

To meet the ever-growing needs of the department of athletics, a department that has done so much to

bring Muhlenberg College to the attention of the educational world and of the public in general, a comfortable, well-equipped gymnasium is urgently needed.

These are the most immediate needs of the college. It is most earnestly hoped that the friends of the institution, the Lutheran Church, and the public in general will appreciate these needs and will liberally provide the funds for the equipment so urgently needed because of the rapid increase of students and the ever-expanding activities of the institution. Men of means can erect no monument to their memory more worthy in purpose, more helpful in blessing, more lasting in honor, than will be a general contribution to the endowment fund or the erection of one of these buildings.

PRIZES

During the year the following prizes have been announced, competition for which is subject to the rules of the Faculty, and the assigning of which is in the hands of committees appointed for this purpose. The decision will be announced on Commencement Day. Friends of the institution are urged to increase the number of these prizes, especially for the lower classes.

The Clayton K. Bernheim Honor Medal, to be assigned to that member of the Senior Class having attained the highest average grade during the year, in all his studies. Presented by Oscar F. Bernheim, '92.

The President's Senior Prize. A prize of Ten Dollars to be awarded to that member of the Senior Class writing the best original essay in the department of philosophy. Subject for 1922; "The Influence of Berkley upon Philosophic Thought." Presented by President J. A. W. Haas, D.D., LL.D.

The Clemmie L. Ulrich Oratorical Prize. Twenty-five Dollars to that member of the Junior Class making the best speech in English, as to manner and matter, at the Junior Contest. Presented by bequest of Clemmie L. Ulrich, Annville, Pa.

A Second Junior Oratorical Prize, given by the class of 1908, to be awarded to the man making the second best speech in English.

The President's Junior Prize. A prize of Ten Dollars to be awarded to that member of the Junior Class presenting the best original essay in the department of English. Subject for 1922; "The Common Man in the Drama of Today." Presented by President J. A. W. Haas, D.D., LL.D.

The Reuben D. Wenrich, M.D., Prize. A prize of Ten Dollars to be awarded to that member of the Sophomore Class having attained the highest average grade in all his studies.

The Reuben J. Butz Botanical Prize of Ten Dollars given to that student who makes the best collection of local flora (including ferns). Open to all students of Botany.

The Charles D. Boschen German Prize of Ten Dollars presented to that member of the Sophomore Class passing the best examination in such special work as may be assigned in the German Department.

DEGREES CONFERRED AT THE LAST COMMENCEMENT

Doctor of Laws.

Rev. Lauritz Larsen, New York City.

STUDENT CLASS HONORS

Senior Class: John T. Bauer, Paul D. Edelman, Amos A. Ettinger, Harold C. Fry, Alfred K. Hettinger, Reuben F. Longacre, T. Kenneth Miller, John V. Shankweiler.

Junior Class: Harold P. Knauss, Russell W. Stine.

Sophomore Class: George B. Balmer, Ira S. Fritz, R. Elmer Kramer, Horace S. Mann, Raymond A. Miller, Christian Mills.

Freshman Class: Sterling F. Bashore, Clarence F. Beerweiler, E. V. Helfrich, Elmer K. Shaffer, John Thayer, Fred H. Williams.

THE ADMINISTRATION OF THE COLLEGE

GOVERNMENT

In the administration of the government of the College, no unnecessary or arbitrary regulations are established, but only such laws are insisted upon as are necessary for the common life of Christian gentlemen. No one whose influence is against the general order of the College can expect to continue in attendance.

Whenever dismissal is necessitated as the due punishment corresponding to the offense, all advantages are forfeited. Severer discipline is however avoided, if it be in any way possible.

The Student Council, chosen by the student body, maintains good order in the college and in the dormitories, enforces proper conduct among the students, and disciplines any student who refuses to obey regulations.

REGISTRATION

On the first day of the fall term, after the applicant for admission has appeared before the Entrance Committee, he shall report in person at the office of the Treasurer before 1 p. m., and register his full name and home address, as well as the course he expects to take. A registration fee of $10.00 will be required in advance.

ELECTIVES

On or before June 1st of each year, every student shall hand to the Dean a list of the subjects that he elects for the following year, which subjects thus be-

come a part of his regular work. All such elections are subject to the approval of the Faculty.

EXAMINATIONS

All the classes are examined twice a year, and the results made to count as a proper factor in the class standing.

TERM REPORTS

Reports of standing in class, conduct, attendance, and the like, are sent to parents or guardians after each examination; and if necessary, special correspondence is had in the intervals. In the case of students who fall below grade, monthly reports are sent to parents or guardians.

SCHOLARSHIPS

Any individual or congregation contributing $2,000 to the College will receive a permanent scholarship, the income of which will be credited to the tuition of the holder of the scholarship. The contributor, his assigns, etc., have the right of naming the holder of the scholarship.

The following is a list of donors of scholarships:
Hon. S. A. Bridges, Allentown, Pa.
James K. Mosser, Allentown, Pa.
Andrew S. Keck, Allentown, Pa.
Thomas Keck, New York, N. Y.
Horatio Trexler, Reading, Pa.
William Saeger, Allentown, Pa.
Alfred G. Saeger, Allentown, Pa.
Charles Burkhalter, New York, N. Y.

Amos W. Potteiger, Reading, Pa.

Mrs. Sarah Miller, Allentown, Pa.

A. Stanley Ulrich, Esq., Lebanon, Pa., and Rev. Aaron Finfrock, Reading, Pa.

A. S. Shimer, Easton, Pa.

John Wagner, Hellertown, Pa.

William Arnold, Reading, Pa.

Samuel H. Kutz, Reading, Pa.

Robert H. Sayre, South Bethlehem, Pa.

Henry Stine, Fogelsville, Pa.

Jacob Fegely, Pottstown, Pa.

George H. Reinoehl, Lebanon, Pa.

Edward S. and Sarah Wertz, Reading, Pa.

Charles A. and Annie D. T. FonDersmith, Lancaster, Pa.

John E. Lentz, Allentown, Pa.

Mrs. Caroline Freudenberger, Tamaqua, Pa.

Reuben D. Wenrich, M.D., Wernersville, Pa. This scholarship has been increased, by the donor, to $1,500.

Rev. Dr. John W. and Mary Sener, Rumple Scholarship, endowed by the Rev. John W. Rumple. Value, the interest of $1,500.

St. John's Evangelical Lutheran Church, Allentown, Pa.

Trinity Evangelical Lutheran Church, Reading, Pa., (two owned by the Congregation, and one of $1,400 endowed by the Sunday School, in memory of Mrs. Sidley).

St. James' Evangelical Lutheran Church, of Reading, Pa., (two owned by the congregation).

Emanuel Evangelical Lutheran Church, of Pottstown, Pa.

St. John's English Reformed Church, of Allentown, owns the *Frank Erdman Cooper Scholarship,* given to it by C. W. Cooper, Esq., in memory of his son.

The *Henry S. Neff, M.D., Memorial Scholarship,* of St. John's Ev. Lutheran Church, of Philadelphia, Pa., was endowed by George Rugan Neff in memory of his son.

The *Frank Rugan Neff Memorial Scholarship,* of St. John's Ev. Lutheran Church, of Philadelphia, Pa., was endowed by Julietta S. Neff in memory of her son.

The *Henry Melchior Muhlenberg Scholarship* was endowed by Mrs. Mary A. Rogers and Mrs. E. M. Bailey and her son James Muhlenberg Bailey, of New York, in honor of their ancestor, the Patriarch of the Lutheran Church in this country.

The *Henry and Anna Mary Romig Memorial Scholarship* was endowed by Mrs. Isaac Fegely, of Pottstown, Pa., in honor of her parents.

The *Allentown High School Scholarship* is vested in the Public School Board of Control, of Allentown, and is open annually to competition on the part of graduates of the High School.

The *Clemmie L. Ulrich Scholarship* was left by bequest for the use of the Ev. Lutheran Ministerium of Pennsylvania.

Charles Roeller Himmelwright Memorial Scholarship of St. John's Evangelical Lutheran Church, of Quakertown, Pa., endowed by Mrs. Susan Himmelwright in memory of her husband.

The Frank R. Nusbaum Scholarship, of Trinity Evangelical Lutheran Church, Lehighton, Pa., endowed by Mr. Frank R. Nusbaum. Value, the interest of $1,400.

The W. J. Andres Scholarships. Four scholarships, each the interest on $1,500, given by the bequest of Rev. W. J. Andres, especially for students preparing for the ministry.

The *Stephen A. Repass Memorial Scholarship* of St. John's Lutheran Church, Allentown, Pa. Value, the interest of $1,500.

The Lizzie M. George Scholarship, given by Mrs. Lizzie M. George, of Annville, Pa. Value, the interest of $1,500.

The Aaron B. Walp Scholarship, given by Mr. Aaron B. Walp, of Trinity Church, Quakertown, Pa. Value, the interest of $1,500.

The Martin Luther Trexler Scholarship, given by Rev. D. D. Trexler in memory of his son Martin Luther Trexler. Value, the interest of $1,500.

The Reber Memorial Scholarship, in memory of Henry Reber, Emma M. Reber and Catherine E. Reber, Auburn, Pa. Value, the interest of $1,000.

The Martin Scholarship. Founded with a donation of $1,500 by Ada Amelia Martin, of Utica, N. Y., in memory

of her parents, Frederick and Maria Carolina Lueke Martin. Value, $75.00 a year.

The Kostenbader Memorial Scholarship. Founded by the Children of Mr. and Mrs. Herman Kostenbader, Catasauqua, Pa., with a gift of $1,500 in memory of their parents. Value, $75.00 a year.

The Theodore L. Seip Scholarship. Founded by the bequest of Mrs. Theodore L. Seip, deceased, wife of the third president of Muhlenberg College. Value, the interest of $1,500.

The Mary E. Lovell Minnich Scholarship. Given by Rev. M. Reed Minnich, of the Church of the Incarnation, Philadelphia, Pa. Value, the interest of $900.

The Rev. S. A. Bridges Stopp Scholarship. Founded by the bequest of Rev. S. A. Bridges Stopp, deceased, for the education of a student for the Lutheran ministry. Value, the interest of $2,000.

The William A. Freihofer Scholarship. By gift of Mr. Charles Freihofer, of Philadelphia, in memory of his son, William A. Freihofer, of the class of 1915, who died in the service of his country. Toward the expenses of two students for the Lutheran ministry. Value, the interest of $11,000.

The E. W. Miller Scholarship. Given by Mr. E. W. Miller, of Lebanon, Pa. For a student for the Lutheran ministry. Value, interest of $1,000.

The Rev. George G. Kunkle Scholarship. Given by Ambrose A. Kunkle, of the class of 1899, for a student for the Lutheran ministry. Value, the interest of $1,500.

The Rev. Prof. Wm. Wackernagel Scholarship. Given by the class of 1895 in honor of the beloved professor of the German language and literature. Value, the interest of $1,500.

The Dr. Francis O. Ritter Scholarship. Given by Dr. Francis O. Ritter, of Allentown, Pa., for the education of a student for the Lutheran ministry. Value, the interest of $2,000.

The Richard W. Wohlsen Scholarship. Given by Mr. Herman Wohlsen, of Lancaster, Pa., in memory of his son. For a student for the Lutheran ministry. Value, the interest of $2000.00.

It is hoped that others will follow these examples, and take individual, memorial, or congregational schol-

arships, as thereby the owner of such a scholarship, apart from educating his own family, will aid worthy and talented but poor young men in securing an education that may fit them for eminent usefulness, and the congregations may have in perpetual training those of their sons that seek the work of the Gospel ministry.

HIGH SCHOOL SCHOLARSHIPS

The Board of Trustees has also granted a scholarship, representing an annual credit of $50 for tuition, to each of the following High Schools:

The Reading High School.
The Lebanon High School.
The Easton High School.
The Catasauqua High School.
The Hazleton High School.
The Kutztown Normal School.
Millersville Normal School.
Moravian Parochial School.
Perkiomen School, Pennsburg, Pa.
Bethlehem Preparatory School.
Freeland High School.

EXPENSES FOR THE COLLEGIATE YEAR

In the Administration Building.

The expenses in the Administration Building will be $150.00, which includes tuition, the use of the College Library, Reading Room, furnished and supplied with current literature by the College, Gymnasium, light, heat, and service. A deposit of $1.00 will be required for a locker key in the gymnasium, which will be refunded when the key is returned.

A Registration Fee of $10.00 will be collected from each student when entering college for the first time.

A student activity fee of $12.75, including an athletic fee of $10.00, will be collected annually from each student for the Athletic Association.

Board can be secured at $6.00 per week at the Commons.

The charges for material and the use of instruments in the Biology courses average $10.00 to $15.00 a year.

All Chemistry students, in all courses, are required to pay a fee of $5.00 and to deposit with the Treasurer $5.00 to cover possible breakages.

For special courses, embracing from one to three subjects of study, the charges will be $50.00 a year.

The scholastic year is divided into two terms for the payment of these charges, namely, from September to the end of January, and from the first of February to Commencement. *The College charges of each term must be paid in advance.*

The members of the Senior Class, at the beginning of the second term, pay to the Treasurer an extra fee of ten dollars, which will be refunded in case of failure to graduate.

In the Dormitories.

The room-rent in the Dormitories includes electric light, steam heat, hot and cold water, bath, and service. The rental is always for the whole room or suite, and for the time extending from Monday before the opening of College in September until Saturday after Commencement in June. In case of a double room or double suite, the rent per tenant is one-half the given rent. Students staying on the premises during the day and returning to their homes at night will be assigned either to a double room or to a double suite after all the resident students have been located, and charged one-fourth the rent.

All students must furnish their own rooms, and only iron bedsteads with all iron springs approved by the College are allowed.

The rooms are divided into four classes:

1. Single rooms for one tenant only, where the rent is $55.00.
2. Single suites, a study and a bedroom, for one tenant only, where the rent is $87.50 on the first and second floors, and $67.50 on the third floor.
3. Double rooms, one large room for two tenants, where the rent is $90.00 on the first and second floors, and $85.00 on the third floor.
4. Double suites, a study, and two bedrooms, where the rent is $140.00 and $150.00 on the first and second floors, and $130.00 on the third floor.
5. Triple suites, a large study and three bedrooms on first and second floors, where the rent is $225.00 equally divided between each occupant.

APPROXIMATE YEARLY EXPENSES

Tuition	$150.00
Rent (average)	65.00
Student Activity Fee	12.75
Board (about)	200.00
Library	2.00
Total	$429.75

ENDOWMENTS, BEQUESTS AND DEVISES

Higher education, in our country, rests largely upon a charitable basis. No institution offering a liberal education can be maintained by the moderate charges made for tuition. The increasing breadth given to such higher education, and the more exalted standard of architectural effect employed in collegiate buildings, increase enormously the resulting financial strain. No such institution can therefore keep abreast of this ever-rising standard of the times without the steady increase of its endowment funds. Muhlenberg College has, in the past, been the recipient of a number of very generous gifts and endowments. But, for the reasons just assigned, it must most earnestly urge its friends and graduates to aid in furthering its resources, endowing new professorial chairs, founding scholarships, providing funds for the aid of worthy but indigent students, and the other constantly pressing needs of the institution. Attention is also called to the eminent propriety of making bequests to advance the prosperity and widen the usefulness of our institution. As it is important that testamentary papers should be carefully drawn and regularly executed, and our corporation name be written accurately, we append the following forms, respectively for personal property and real estate, indicating whether the bequest is for endowment or the general purposes of the College:

I give and bequeath to "Muhlenberg College," in Allentown, Pennsylvania, and its successors and assigns, forever, the sum of Dollars, to be safely invested by said corporation in good real estate

security, and the interest accruing therefrom to be applied to the uses and purposes of said College.

I give and bequeath a certain lot, situated (here describe) to "Muhlenberg College," in Allentown, Pennsylvania, and to its successors and assigns, forever, for the uses and purposes of said College, according to the provisions of its charter.

THE ALUMNI ASSOCIATION OF MUHLENBERG COLLEGE

PRESIDENT: Prof. George T. Ettinger, Ph.D., '80.

VICE-PRESIDENTS: Rev. J. J. Schindel, D.D., '96, Philadelphia, Pa.; Rev. W. O. Fegely, '90, Trappe, Pa.

CORRESPONDING SECRETARY AND TREASURER: Ralph H. Schatz, Esq., '08, Allentown, Pa.

RECORDING SECRETARY: Professor J. A. Bauman, Ph.D., '73, Allentown, Pa.

BOARD OF MANAGERS: Willard D. Kline, M.D., '97; Dr. Howard S. Seip, '85, and Prof. Robert R. Fritsch, '00.

The object of this Association is to cultivate friendly relations among the alumni and to promote the interests of Muhlenberg College.

Any graduate of Muhlenberg College may become a member by paying a membership fee of 50 cents, and $1 annually thereafter.

It is urgently requested that as many of the alumni as possible join the Association, and thus assist in advancing the objects for which is has been established.

The annual meeting is held on Wednesday forenoon of Commencement Week.

Further information may be had from the Corresponding Secretary.

THE LIST OF ALUMNI

The list of alumni will not be printed in the catalog every year, as was formerly the custom. In place of this, information will be given about individual alumni or special groups.

CLASS GIFTS

Several of the recently graduated classes have made gifts to their Alma Mater upon graduation or at some reunion. It is hoped that this example will be followed by others. The gifts and givers are these:

Class of 1899. In the year 1914 this class installed and presented to their Alma Mater a large four-dial clock for the tower of the Administration building.

Class 1900. This class has presented many books to the library.

Class of 1908. This class has annually given the second Junior Oratorical Prize of $10.00.

Class of 1913. In 1913 this class erected and presented as a parting gift to their Alma Mater a 100-foot Oregon pine flag pole, and a large American flag for same.

Class of 1914. As a parting gift to their Alma Mater, this class placed in the tower of the Administration Building a large bell metal tube and striking attachments to the clock.

Class of 1915. A majority of the members of this class as a parting gift to the College insured their lives in favor of their Alma Mater.

EXTENSION COURSES

FOREWORD

Muhlenberg College is in a position to offer decided advantages to the members of the teaching profession. The growing requirements for wider professional vision and broader general information, which are being laid upon all grades of instructors, make it hazardous for any teacher to spend the time in unproductiveness. The sessions make it possible for those who cannot attend the regular sessions of the college to acquire further technical training and general intellectual quickening. Muhlenberg College has been approved by the Department of Public Instruction and by the College Board for the Middle States and Maryland.

The primary object of the course is to advance education by helping those engaged in it. The instruction is adapted to the needs of the followings groups:

1. Those teachers who desire to use part of their summer vacation in making progress in particular subjects, either for professional purposes, or for general culture.
2. Those teachers who are working for the *partial, standard, or college certificates.*
3. Undergraduates may anticipate requirements and thereby shorten their course or may make up existing deficiencies.
4. High school graduates who desire to teach this fall. Special courses in the content and methods of the elementary school have been arranged for them.
5. Those who desire to speak and write a modern language.

ADMISSION

All courses are open to both men and women. There is no examination for admission to the summer session. If the student desires college credit he must have satisfied the college entrance conditions before entering upon his work. In special cases students who have not attended a regular four-year high school may be ad-

mitted through the intelligence examination, providing their rating seems to warrant such consideration.

ATTENDANCE

No student who has not attended eighty per cent. of the regular work of the course, in addition to passing the final examination can receive credit for the course. *No student will be allowed to register for more than eight semester hours* at the summer session. However students may arrange to continue their work after the summer session has closed.

REGISTRATION

Students in the School of Education may register for the courses of the regular college year on Saturday, September 16 or 23. The final registration will be on September 30, 1922.

Students at the summer session are advised to register before the opening of the session on July 3. The office will be open after June 19 for consultation and registration.

Early registration is advisable in order that the books can be arranged for at the college store.

TUITION FEES

Matriculation fee for those who desire college credit (to be paid but once), $10.00.

For each recitation or lecture course of five hours per week during the summer session, $10.00.

For each recitation or lecture course of one hour per week during the college year, $10.00.

The special fees for the science courses are announced with each course.

ACADEMIC CREDIT

The requirement for the Bachelor's degree in the School of Education of Muhlenberg College is the completion of 120 semester hours of academic work.

CERTIFICATES

Students, who register without desiring college credit, are granted certificates of proficiency on the successful completion of any course.

This certificate is accepted by many school officials in place of the examination required for the regular certificates. The courses given by the department of education meet the requirements for the new certificates granted by the Department of Public Instruction.

LIBRARY

The college library is open to all students in the school of education. A large list of new books has been added during this year. The reading room, with a large list of daily papers, magazines and periodicals, will be open throughout the year.

COURSES

In addition to the regular courses listed in the catalog, special courses will be offered to meet the need of any special group of teachers.

LATIN — Dr. Ettinger

1. *Latin, first year.*

In this course special attention will be given to declensions and conjugations, forms and constructions, so that the student will be started aright on the road to an accurate knowledge of Latin. Two semester hours.

2. *Caesar*

The main purpose of this course will be to stress the vocabulary of Latin, the syntax and derivation of English words from the Latin, in addition to reading as much of the text as the time will permit. Two semester hours.

3. *Virgil.*

In addition to the grammatical treatment of the text classical geography and mythology will receive greater attention and beauty of thought and expression will also be emphasized, including the scansion of the Latin hexameter verse. Two semester hours.

4. *Livy and Sallust.*

This course will introduce Roman history and Roman government, by way of comparison. Especially suggestive, interesting and valuable at this time. Text-Selections from Livy, Sallust and Cicero, edited by Scoon, Mierow and Jones. Allyn and Bacon Co. Two semester hours.

5. *Horace.*

The common sense, the practical philosophy of life, in which the writings of Horace so richly abound, his skill as a literary artist and his thorough classical culture, combine to render this course of the greatest value in literature and philosophy. Text—any modern edition of the odes. Two semester hours.

6. *Classical contributions to modern life.*

This is a lecture course with assigned readings to show what modern life owes to the science, the art and the literature of Greece, and to the language, law and government of Rome. Knowledge of the Greek and Latin languages is not required. Two semester hours.

GREEK. Professor Horn

1. *Greek, first year.* Part I.

This course is required of candidates for the degree of A.B., who enter college without Greek. Text—Allen's First Year of Greek. Two semester hours. Not given in summer of 1922.

2. *Greek, first year,* Part II.

Second part of the course in elementary Greek. Requirements are met in course one. Two semester hours. Given in summer of 1922.

3. *Greek Literature in English Translation.*

Study of an outline history of Greek literature with readings from Homer and other Greek authors in the best English translations. Knowledge of the Greek language is not required for this course. Text—Jebb's History of Greek Literature. Two semester hours.

4. *Greek and Latin Mythology.*

A study of the Greek and Latin mythology for the sake of the appreciation of English literature, which owes so much to the Greeks and Romans. Text—Gayley's Classic Myths in English Literature. Two semester hours.

5. *The Greek Drama in English.*

Knowledge of the Greek language is not required for this course. Lectures on the theatre and drama of the Greeks. Reading of Greek tragedies and comedies in English translations and reports on this reading. Two semester hours. This course will be offered on Wednesday evenings in 1922-23.

6. *History of Art,* Part I.

The aim of this course will be to present a study of Greek and Roman art and architecture. Two semester hours.

7. *Methods of Teaching Greek and Latin.*

This course will give a practical treatment of the teaching of classical languages from the secondary school point of view. Special attention will be given to word construction, pronunciation, and the selection of teaching material. Two semester hours.

8. Advanced courses in the Greek language will be given as required.

BIOLOGY. Professor Bailey
Mr. Shankweiler

1. *Physiology and Hygiene.*

This course consists of lectures on personal hygiene, particularly of school children, and of the early recognition of disease. It is designed to give the teacher such information about body structure, physiology defects and disease that he will be able to intelligently and effectively follow any Board of Health directions relating to the welfare of the school child. Credit 2 semester hours. Text—The Hygiene of the School Child by Terman. Houghton, Mifflin Co., Professor Bailey.

2. *Botany.*

This course is adapted to the needs of teachers of botany and nature study. It consists of lecture, laboratory and field work and includes the recognition of all the common forms of plant life out of doors. Credit 4 semester hours. Text—Foundations of Botany by Gager. Blakiston, Publisher. Fee $15. Professor Bailey.

3. *Zoology.*

A general course in the study of animal life. Adapted to the needs of teachers of zoology and nature study. Credit 4 semester hours. Text—College Zoology, by Hegner. Macmillan Co. Fee $15. Mr. Shankweiler.

4. *Bacteriology.*

This course deals with the common bacteria in water, milk, air and food products; also with bacteria causing disease. All of these bacteria will be isolated, stained and studied. Lectures on immunity, vaccination, serum therapy, blood transfusion and venereal disease, are included in the course. Credit 4 semester hours. Text—General Bacteriology, Jordan. Saunders Co. Fee $15. Professor Bailey.

5. Courses in Photography and Histology will be offered in the summer of 1923.

CHEMISTRY.

Professor Fasig
Mr. Kistler

1. *General Chemistry.*

This course constitutes the introduction of the study of chemistry. No previous knowledge of the subject is required. One hour of lecture and two hours of laboratory per day. Credit 4 semester hours. Text—Newell's Inorganic Chemistry for Colleges. D. C. Heath & Co. Fee $15. Laboratory fee extra. Course offered 1922, summer.

2. *General Chemistry and Qualitative Analysis.*

Required of B.S. students who have completed Course 1 or its equivalent. Two hours of lecture and four hours of laboratory per day. Credit 8 semester hours. Text—General Chemistry for Colleges by Alexander Smith. Century Co. Qualitative Manual may be secured at the college. Fee $25. Laboratory fee extra. Course offered 1922, summer.

3. *Quantitative Analysis.*

Required of B.S. students who have completed Course 2. Two hours of lecture and four hours of laboratory per day. Credit 8 semester hours. Text—Mahin—Quantitative Analysis. McGraw-Hill Book Co. Fee $25. Laboratory fee extra.

4. *Organic Chemistry.*

Required of B.S. students who have completed Courses 2 and 3. Two hours of lecture and four hours of laboratory work per day. Credit 8 semester hours. Text—Organic Chemistry by Perkin and Kipping. Lippincott Co. Fee $25. Laboratory fee extra.

5. *Chemistry of Foods.*

Elective for students who have had a course in General Chemistry and the Chemistry of Carbon Compounds. One hour of lecture and two hours of laboratory per day. Credit 4 semester hours. Text—Source, Chemistry and Use of Food Products with laboratory outline of same by Bailey. Blakiston Co. Fee $15. Laboratory fee extra. Course offered 1923.

MATHEMATICS

Mr. Deck

1. Plane Geometry.
2. Solid Geometry.
3. Trigonometry. Trigonometric Functions, and Solution of Right and Oblique Triangles. Text—Crawley's "Elements of Trigonometry," University of Pennsylvania. Credit two semester hours.
4. Analytical Geometry. Text—Crawley & Evans "Analytical Geometry," University of Pennsylvania. Credit two semester hours.
5. College Algebra. Regular college course. Text—Milne's Advanced Algebra. Credit two semester hours.
6. Mathematical Analysis. A general course in mathematics. A course designed to give the student who may not wish to specialize in mathematics a good knowledge of algebra, trigonometry and analytical geometry. Text—Elementary Mathematical Analysis by Young & Morgan. Macmillan Co. Credit two semester hours.

PHYSICS.

Regular college course. One hour lecture and two hours laboratory.

1. Mechanics, Molecular Physics, and Heat. Credit 4 semester hours.
2. Electricity, Sound, and Light. Credit 4 semester hours. Part 1 will be offered Summer 1922, and Saturday 1922-23; Part 2, 1923 and 1923-1924.

Prerequisite—Plane Trigonometry. Texts—Spinney's "A Textbook of Physics" (rev. ed.) Macmillan. Ames & Bliss "A Manual of Experiments in Physics," American Book Co.

ENGLISH.

Professor Simpson
Professor Brown

1. *The teaching of English.*

This course is designed for teachers who wish to study the aims and methods of teaching English in the public schools. It includes practice in writing themes and the use of a standard composition scale in their correction and rating. Two semester hours.

2. *English fiction from Chaucer to Goldsmith.*

A study of the development of the English novel, taking up mediaeval romance, pastoral romance, picaresque tales, Defoe, Richardson, etc. Texts—Hopkins and Hughes, English Novel before the 19th Century, Ginn & Co., Cross, Development of the English Novel, Macmillan Co. Two semester hours.

3. *English fiction from Goldsmith to Wells.*

This course will continue the work of Course 2.

4. *Great English poets.*

Taking up the works and the periods of Chaucer, Spenser, Milton, Herrick, Dryden, Pope, etc., this course presents a general survey of English literature. Text—Neilson and Thorndike's "A History of English Literature," Macmillan Co. Two semester hours.

5. *Great English writers of prose.*

This course will consist of a series of lectures and assigned readings. Tuesday evenings in 1922-23. Two semester hours.

6. *English composition.*

Simple exposition, detailed exposition, use of the library in connection with composition, letter-writing. Composition as related to literature, business, or journalism will be emphasized according to the desire of the student. Text—Greever and Jones; Century Handbook of Writing, Century Co., and Tanner's Essays and Essay-Writing, Atlantic Monthly Press. Two semester hours.

7. *Advanced English composition.*

This is a continuation of course six and completes the requirements for freshman rhetoric. Two semester hours.

8. *The American drama.*

Lectures on the development of the American drama from its beginnings to the present day, with special attention to plays and playwrights of the twentieth century. Text—Representative American Plays, by Quinn, Century Co. Two semester hours. Monday evenings at seven o'clock, 1922-23.

9. *Modern European novelists.*

This course is designed to acquaint the student with contemporary continental novelists as well as such recognized masters of fiction as Dostoievsky, Turgenev. Tolstoi, Sienkiewicz, Zola, Flaubert, and others. Twenty representative novels will be read. American and British novelists will not be included in this survey. Two semester hours. Monday evenings at eight o'clock, 1922-23.

10. *The Plays of Shakespeare.*

A study of Shakespeare's development as a playwright, with reading and interpretation of his most representative plays. The Oxford Shakespeare is recommended as the best one volume text. Two semester hours. Monday evenings at seven o'clock, 1923-24.

11. *Tennyson and Browning.*

Reading and interpretation of the poetry of these two Victorian poets. The Cambridge edition of the poetical writings of Tennyson and Browning is recommended. Two semester hours. Monday evenings at eight o'clock, 1923-24.

12. *Masterpieces of the drama.*

The reading and discussion of representative plays from Aschylus to Ibsen, with special attention to the development of dramatic art through the ages. Text—Matthews; Chief European Dramatists, Houghton Mifflin Co. Two semester hours. Monday evenings at seven o'clock, 1924-25.

13. *One-act plays.*

Contemporary one-act plays of Europe and America will be read and studied. Lectures on the recent development of this form of drama. Text—Shay and Loving, Fifty Contemporary One-Act Plays, published by Stewart and Kidd. Two semester hours. Monday evenings at eight o'clock, 1924-25.

Professor Brown will not teach during the summer of 1922.

GERMAN Professor Fritsch

1. *Elementary German.*

This course aims to lay the foundations of German syntax and to develop a good German vocabulary with a view to

reading, writing and speaking the German language. Credit 2 semester hours. Texts—Joynes-Wesselhoeft's German Lesson Grammar, D. C. Heath. Allen's German Life. H. Holt.

2. *Intermediate German.*

Schiller's Wilhelm Tell, the most popular drama in the German language, is read in this course. In addition to the translation of this classic, questions based on the text are answered in German by the students. Credit 2 semester hours. Text: Schiller's William Tell. Allyn & Bacon.

3. *Advanced German.*

The text to be used in this course will be selected from among the following: Schiller's Jungfrau von Orleans (Ginn & Co.), Goethe's Iphigenie (Ginn & Co.), and Lessing's Minna von Barnhelm (Oxford Press).

4. *Scientific German.*

A course in Scientific German will be given this summer, should there be a demand for it. Gore's German Science Reader (D. C. Heath), containing a selection of extracts from the field of Physics, Chemistry, Astronomy, Geology, Botany, etc., will be read. Only those having at least two years in German should elect this course. Credit 2 semester hours.

FRENCH. Mr. Corbiere.

1. *Elementary French.*

This course is intended for those who have no previous knowledge of the language. The aim is to enable the student to read easy French prose and to develop the ability to speak the language with a fair degree of fluency. Correct pronunciation of French is developed by use in the class room and only the grammar necessary for the material read is learned. Credit, two semester hours. Text—Fontaine's Nouveau Cours Francais, Ginn & Co.

2. *Intermediate French.*

This is a continuation of course one. It consists of reading and conversation based on the reading. The grammar will be

discussed in connection with the reading, but only to contribute to effective control of the language. Credit, two semester hours. Text—Roux, Elementary French Reader, Macmillan Co.

3. *French Literature.*

This course will be conducted in English. The aim is to give an appreciative value of French letters. The course will consist of lectures, discussions of representative authors and their works, and readings of novels and plays. This course will be credited as part of the modern language requirement. Credit, two semester hours.

SPANISH. Professor Corbiere.

1. *Elementary Spanish.*

A practical course in spoken and written Spanish. It is based upon a combination of conversation and grammar. Spanish will be the language of the class room as far as it is possible. Credit, two semester hours. Text—Espinosa and Allen's Beginning Spanish, American Book Co.

2. *Commercial Spanish.*

The aim of this course is the acquisition of a business vocabulary and idioms. Spanish letters will be written and discussed. Advanced conversation and oral exercises. Credit, two semester hours. Texts—Iura's Correspondencia Commercial, Silver, Burdett and Co.

HISTORY AND POLITICAL SCIENCE. Professor Mueller.

1. *History of Western Europe,* 476-1500.

A general survey of the period; emphasis on the medieval church, feudalism, the formation of the nations, and the Renaissance. Text—Robinson, History of Western Europe. Summer 1922. Two semester hours.

2. *History of Western Europe since* 1500.

A continuation of course 1. Special attention to the Reformation, the Commercial Revolution, the expansion of Europe, and the struggle for continental supremacy.

3. *History of Europe,* 1789-1871.

A detailed study of the French Revolution, the Industrial Revolution, the period of reaction, and the unification of Germany and of Italy.

4. *History of Europe since* 1871.

An analysis of commercial rivalry, the events preceding and during the World War, the Peace Conference, and post-bellum problems.

5. *History of the American Colonies.*

A study of the period of discovery and colonization, the intercolonial wars, the dispute with England, and the Revolutionary War.

6. *History of the United States,* 1789-1876.

The framing of the Constitution, establishing the new government, sectional divergence, expansion of the United States, the Civil War, and Reconstruction.

7. *History of the United States since* 1876.

Rise of big business, Colonial expansion, the World War, and readjustment after the conflict. Text—Bassett, Short History of the United States. Summer 1922. Two semester hours.

8. *Introduction to Political Science.*

Nature of the state, establishment of government, governmental organization, function of government, relation of the individual to the state. Text—Willoughby and Rogers, Problem of Government. Summer 1922. Two semester hours.

9. *American Government and Politics.*

Origin and evolution of the federal and state governments, powers and functions of the governmental agencies.

SUPERVISED STUDY. Miss Graham.

1. *Demonstration class.*

This class is conducted with 30 children from the entering class of the junior high school. An effort will be made to

apply the theory of supervised study to actual classroom procedure. The first three weeks will be in history and the remainder of the time will be devoted to English. Credit, one semester hour. Fee $5.00. Miss Graham. 9:00-10:00.

2. *Teaching of history by the supervised study plan.*

There is no subject which offers greater possibilities for the inauguration of supervised study than American history. The aim of the course will be, how to study history. The discussions will be based upon the work of the demonstration class. Credit, two semester hours. Text—Simpson's Supervised Study in History. Miss Graham. 10:00-11:00.

3. *Teaching of English by the supervised study plan.*

This course aims to give a practical treatment of material and methods with special reference to oral and written composition. Emphasis will be placed upon the organization of the class for supervised study, the diagnosis of mistakes and the right corrective measures. The discussions will be based upon the work of the demonstration class. Credit, two semester hours. Text—MacGregor's Supervised Study in English. Miss Graham. 11:00-12:00.

EDUCATION

Doctor Wright
Professor Horn
Superintendent Dodd

1. *The Elementary School.*

This is a first course for those who are teaching in the elementary school for the first time. Attention will be given to the content and methods of each subject in the elementary school, the organization of the class, daily program, supervised study, State syllabus. Text—Bett's. Credit, two semester hours. Dr. Wright. 2:00-3:00.

2. *Methods and content of arithmetic.*

A thorough course based upon the State syllabus. Emphasis will be placed upon the methods of the subject, daily lesson plans, model lesson, diagnosis of difficulties and the application of remedial measures. Credit, two semester hours. Superintendent Dodd. 10-11.

3. *Methods and content of geography.*

A complete course in regional geography.
Credit, two semester hours. Dr. Wright. 8:00-9:00.

4. *Oral and silent reading.*

A complete course in the teaching of reading with emphasis upon the latest methods from the viewpoint of the experimental school. The student will be made familiar with the diagnosis of difficulties and the application of remedial measures. Credit, two semester hours. Text—Stone, The Teaching of Reading, Houghton, Mifflin Co. Dr. Wright. 1:00-2:00.

5. *Logic.*

The regular course required of all juniors. Credit, two semester hours. Text—Sellar's Essentials of Logic; Houghton Mifflin Co. Professor Horn.

6. *Methods in history.*

A course in methods of teaching history in the grades, with review of U. S. History and Civics, and the History of Pennsylvania. Text—Scribner's General Course in U. S. History. Credit, two semester hours. Professor Horn.

7. *Mechanical drawing.*

This course is planned to meet the needs of teachers of drawing and students preparing to enter a school of engineering. Credit based upon amount of work completed.
Dr. Wright. Hours arranged to satisfy the students.

8. *Penmanship.*

A class in muscular movement writing will be conducted for one-half hour each day by a special expert. Text—The Palmer Book. 3:00-3:30. Fee, $5.00.

9. *Measurement of Intelligence.*

An intensive study of the standard test movement in education; a brief historical perspective; principles underlying the demand for standards; a critical discussion of the validity of the tests; the use of standard tests to the administrator and

to the teacher; systematic study of the Terman revision of the Binet-Simon test; clinic work. Credit, two semester hours. Text—Terman, The Measurement of Intelligence. Dr. Wright.

10. *Applied Child Psychology.*

A study of the methods by which children learn to write, draw, read, spell, and grasp the meanings of history, geography, mathematics, and natural science, and of the mental processes which are developed in learning these subjects. The aim of the course is to prepare the student to understand and intelligently apply methods of teaching. Credit, two semester hours. Text—Freeman, Applied Child Psychology. Dr. Wright.

11. *Principles of Education.*

This course offers a good introduction to the study of education. It makes a survey of the conditions, problems and guiding principles of modern education. It is an attempt to interpret the meaning of education and to follow the principles derived from biology, sociology, and psychology. Credit, two semester hours. Text—Klapper's, Principles of Educational Practice.

12. *Educational Psychology and Educational Measurement.*

It is the aim of this course to present the material which is relevant to the problems of the learning process, to maintain a strictly experimental viewpoint in discussing these problems, to consider tests of intelligence, studying, transfer of training, and the assignment of marks. Credit, four semester hours. Text—Starch, Educational Psychology. Dr. Wright.

13. *History of Education.*

This course traces the evolution of educational institutions and practices with their relation to modern education. The first part of the course will be devoted to a survey of education before the 18th century; the second part of the course will deal with the development of education in the United States. Two semester hours. Text—Cubberley's History of Education. Dr. Wright.

Students who are taking their first work in the field of education are advised to take courses 1, 2, 3, 4, and 10.

For complete information concerning any course address Isaac Miles Wright, Pd.D., 240 North St. Cloud St., Allentown, Penna. Bell telephone.

THE ALLENTOWN PREPARATORY SCHOOL AND MUHLENBERG ACADEMY

LOCATION: The school is the official preparatory school of Muhlenberg College although it is completely separated from the college department. It is situated to the west of Muhlenberg College in a beautiful country district just on the outside of Allentown where the boy can enjoy the healthfulness of the country and yet not miss the advantages offered by the city. The school lies between 25th and 26th streets. Our health record is excellent. Sickness in the school is almost unknown. The location is ideal.

BUILDING: The building is a large three-story building with a nicely laid out and well-lighted basement. The building is practically new. It is modern and fireproof throughout and completely equipped to do good work. The only wooden floors throughout the building are in the class rooms. The class rooms and the boys' rooms are of the highest type with regard to light, ventilation and good living conditions. We have in the building our own gymnasium, laboratories, and dining room.

AIM: The aim of the school is to furnish the basis of a solid education together with Christian manliness, to prepare young men for college, to give those who do not wish to enter college a good general education and also to prepare young men for business. A large number of the graduates enter Muhlenberg College, but, nevertheless, the school prepares for any college or

university in the country and many colleges accept our certificate in lieu of entrance examinations. Some of the schools to which our graduates go are: Muhlenberg, Lehigh, Lafayette, State, University of Penna., etc.

COURSES: There are the following courses: Classical, Scientific, Latin Scientific, General, and Business. The Classical, Scientific, and Latin Scientific are for boys who desire to enter College. The general course is for boys who do not wish to enter College but only desire a general education. The business course is quite complete and comprises all the subjects that a boy will get at the business school, and Spanish as a modern language. The business course is limited only to about fifteen boys and is really a high grade business course.

JUNIOR DEPARTMENT: In addition to the main department there is maintained a junior department for younger boys into which are received boys both as boarding students and day students as young as nine years old. In this department there are also only a limited number of boys and if the boys come to us early enough there will be a saving of time and the instruction is bound to be more thorough than in the public school because the classes are very small.

SUMMER SESSION: The school also regularly has a summer session which begins about two weeks after the regular session and continues for a period of seven weeks. The next summer school will begin on June 26th, 1922. The summer session is not only for boys of our own school but for other boys as well. It enables boys to make up their conditions, to catch up with their classes, and in some cases to save time.

ATHLETICS: There are all branches of athletics, such as football, cross country, basketball, track, baseball and tennis. All the sports are, however, under faculty coaching and management. There is also excellent swimming, skating and coasting.

CAPACITY AND ACCESSIBILITY: The school can accommodate about eighty-five boarding students and about seventy-five day students and has been filled up entirely for the last three years. The school is easily accessible from all surrounding towns and also the large cities as New York, Brooklyn, Philadelphia, etc.

ROOMS: The boys' rooms are furnished and the only things necessary for a boy to bring are sheets, pillow cases, towels and a cover for his bed.

INSTRUCTION: The instruction in all cases is in charge of teachers who are college graduates and men of experience. The aim of the school is to maintain small classes on the basis of sixteen to a section wherever possible so as to make the instruction very thorough. It is our object to reach every boy, every day in every subject. Every effort is made to avoid congested conditions.

CHARGES: The charges are $500.00 for a boarding student and $150.00 for a day student. The school year is divided into three equal parts or terms and likewise the charges are divided into three equal parts and are due sometime throughout the term. There are three fees, namely, athletic, laboratory and contingent. The books can be procured at the school and amount to about ten dollars per year. The charges for the

summer session are twenty-five dollars for a day student and seventy-five for a boarding student.

The school is open throughout the year and visitors are always welcome at any time. We also issue our own and separate catalogue and the same will be cheerfully supplied upon request.

The following is a list of faculty and students:

SCHOOL OFFICERS

IRVIN M. SHALTER, Headmaster.
CHARLES SMITH, Librarian.
MRS. IRVIN M. SHALTER, Matron

FACULTY

IRVIN M. SHALTER, A.M., *Mathematics and Modern Language.*

CHARLES SMITH, A.M., *Latin and Greek.*

WALTER BENNER, B.S., *History.*

EDWARD S. FABER, B.S., *Science.*

CARL KARSCH, A.M., *English.*

JOHN C. ROBERTS, A.B., *Modern Languages.*

EDWIN G. ARNER, A.B., *Mathematics, German, Mechanical Drawing.*

H. RICHMOND WITNER, A.B., *Coach of Teams and Physical Training.*

H. F. NICHOLAUS, *Commercial Subjects.*

PAUL YOUNT, A.B., *English and German.*

RAYMOND WALLER, *Commercial Subjects.*

LIONEL FARNY, *French.*

SENIORS

ALEXANDER, DAVID ..... Allentown, Pa.
BARNES, DOUGLASS ..... Allentown, Pa.
BASCOM, BROUGHTON ..... Allentown Pa.
BEYER, HAROLD ..... Pottstown, Pa.
BIERY, WILLIAM ..... Allentown, Pa.
CARDENAS, CESAR ..... Lima, Peru
CHAGIN, FRED ..... Yucatan, Mexico
CHRYST, ELMO ..... Allentown, Pa.
COLWELL, JNO. ..... New Paltz, N. Y.
CURREN, JOSEPH ..... Norristown, Pa.
DOORANG, WILLARD ..... Pottstown, Pa.
DREISBACH, HARRY ..... Coplay, Pa.
ERB, EARL ..... Pottstown, Pa.
FAHLER, HERBERT ..... Allentown, Pa.
FLOCK, SAMUEL ..... Williamsport, Pa.
FRANCO, CHARLES ..... Lima, Peru
GALLAGER, JAMES ..... Allentown, Pa.
GENSEMER, GUY ..... Allentown, Pa.
GOODMAN, DANIEL ..... Allentown, Pa.
GRIMM, CALVIN ..... Allentown, Pa.
HELD, PAUL ..... Allentown, Pa.
HEILMAN, JNO. ..... Allentown, Pa.
KAERCHER, CHAS. ..... Allentown, Pa.
JAMES, SPENCER ..... Bethlehem, Pa.
KLOTZ, PAUL ..... Allentown, Pa.
KOCH, PAUL ..... Allentown, Pa.
KNAUSS, BENJ. ..... Allentown, Pa.
KNERR, RUSSEL ..... Allentown, Pa.
KUHNS, HAROLD ..... Allentown, Pa.
LAIR, WALTER ..... Phillipsburg, N. J.
LAVIE, ALFRED ..... Manzanillo, Cuba
MALLOY, JOSEPH ..... Allentown, Pa.
McDERMOTT, CHAS. ..... Allentown, Pa.
McDERMOTT, THOS. ..... Allentown, Pa.
McFADDEN, EDWARD ..... Allentown, Pa.
MENDELL, IRVING ..... Allentown, Pa.
MERTZ, CHARLES ..... Allentown, Pa.
MICHELENE, DAMIEN ..... Lima, Peru
MILLER, WALTER ..... Allentown, Pa.
NAGEL, THOS. ..... Allentown, Pa.
PAGUAGA, GUSTAVO ..... Nicaragua, C. A.

PERIERA, JOSE ..... Santa Cruz, Cuba
PIEROLA, CHAS. ..... Lima, Peru
ROEPE, GEO. ..... Brooklyn, N. Y.
SAPKO, JAMES ..... Egypt, Pa.
SCHARLE, CARL ..... Allentown, Pa.
SEVART, GEO ..... Allentown, Pa.
SHANKWEILER, WILSON ..... Settlersville, Pa.
SHARP, GORDON ..... Allentown, Pa.
SPENCER, EDGAR ..... Allentown, Pa.
SNYDER, WARREN ..... Allentown, Pa.
STEINMETZ, RICHARD ..... Allentown, Pa.
STINNER, PHILIP ..... Allentown, Pa.
STIPE, EDWIN ..... Allentown, Pa.
TORGERSEN, WALTER ..... Brooklyn, N. Y.
TURNER, HARRY ..... Philadelphia, Pa.
YEISLEY, KENNETH ..... Tatamy, Pa.
YOUNGFLEISH, JEROME ..... Pottsville, Pa.

Enrollment, 58.

JUNIORS

ADAMICK, DANIEL ..... Plymouth, Pa.
BACHMAN, CHAS. ..... Allentown, Pa.
BARNES, HAROLD ..... Allentown, Pa.
BARTHOLOMEW, ALFRED ..... Northampton, Pa.
BENNICOFF, LEWIS ..... Allentown, Pa.
BISCHOFF, FREDERICK ..... Richmond Hill, N. Y.
BOLLMAN, WM. ..... Allentown, Pa.
EGGE, HARLEY ..... Allentown, Pa.
EBERT, JNO. ..... Allentown, Pa.
GOLDTHORPE, EARL ..... Paterson, N. J.
HARNED, WM. ..... Allentown, Pa.
HEINTZLEMAN, WALTER ..... Allentown, Pa.
HELWIG, CHAS. ..... Allentown, Pa.
HEPLER, ELMER ..... Pitman, Pa.
JAMISOK, JNO. ..... Slatington, Pa.
KARCHER, HERBERT ..... Phillipsburg, N. J.
KARL, FRED ..... New Bedford, Mass.
KECK, ROBERT ..... Allentown, Pa.
KNEEDLER, HAROLD ..... Allentown, Pa.
KNEPPER, WM. ..... Andreas, Pa.
KRESS, SAMUEL ..... Allentown, Pa.
KUHNS, RICHARD ..... Allentown, Pa.

KUNTZ, BERTRAM ..... Allentown, Pa.
LICHTENWALNER, LAWRENCE ..... Allentown, Pa.
LLOYD, JNO. ..... Allentown, Pa.
McCLELLAN, JNO. ..... Catasauqua, Pa.
NESTER, JOEL ..... Allentown, Pa.
NEXEN, HOBSON ..... Jersey City, N. J.
PEROG, WALTER ..... Allentown, Pa.
PURSELL, RANDOLPH ..... Easton, Pa.
RINN, GUSTAVE ..... Allentown, Pa.
SAEGER, JACK ..... Allentown, Pa.
TRUNK, JNO. ..... Chester, Pa.
WALCK, WALTER ..... Lehighton, Pa.
WALTER CARL ..... Easton, Pa.
WENDT, CHAS. ..... New York City, N. Y.
WOLFE, ROBERT ..... Allentown, Pa.

Enrollment, 37.

SOPHOMORES

BECK, CHAS. ..... Philadelphia, Pa.
BILLY, GEO. ..... Gorfield, N. J.
BUSH, JAS. ..... Allentown, Pa.
CHURLICK, GEO. ..... Mahanoy City, Pa.
CHRYST, CLIFFORD ..... Allentown, Pa.
CLAUSER, JNO. ..... Allentown, Pa.
CURTISS, WM. ..... Allentown, Pa.
DYER, ROSCOE ..... Allentown, Pa.
FEDERMAN, ARCHIE ..... Chester, Pa.
GRIFFITH, WESLEY ..... New York City, N. Y.
HARNED, ROBERT ..... Allentown, Pa.
HUBER, MARCELL ..... Allentown, Pa.
KANYUCK, ANDREW ..... Nanticoke, Pa.
KING, PAUL ..... Allentown, Pa.
KLECKNER, WM. ..... Allentown, Pa.
KRAMER, ALBERT ..... Allentown, Pa.
LARRAIN, HENRY ..... Lima, Peru
LARRAIN, LOUIS ..... Lima, Peru
MANN, RUSSELL ..... Allentown, Pa.
NEUWEILER, HERMAN ..... Allentown, Pa.
PAYNE, CLINTON ..... Brooklyn, N. Y.
REISS, LOUIS ..... Richmond Hill, N. Y.
TEJADA, CHAS. ..... Lima, Peru

WENDT, PAUL ..... New York City, N. Y.
WHITCOMB, FREDERICK ..... Brooklyn, N. Y.

Enrollment, 25.

FRESHMEN

BILLY, JOSEPH ..... Garfield, N. J.
BRANDJAR, ANDREW ..... Little Falls, N. Y.
BURKLEY, DONALD ..... Quakertown, Pa.
BUSH, ELSWORTH ..... Allentown, Pa.
CLAUSS, PAUL ..... Allentown, Pa.
CREVELING, HARRY ..... Allentown, Pa.
HERBERT, MORTON ..... Philadelphia, Pa.
IOBST, CARL ..... Emaus, Pa.
KUHNS, RAYMOND ..... Allentown, Pa.
SETTLER, WILLARD ..... Allentown, Pa.
WHITCOMB, SALMON ..... Brooklyn, N. Y.

Enrollment, 11.

JUNIOR DEPARTMENT

DILLINGER, ROBERT ..... Allentown, Pa.
DUNCAN, THOS. ..... New York City, N. Y.
GREENAWALD, JNO. ..... Allentown, Pa.
KESTER, DALE ..... Allentown, Pa.
KIP, THOMAS ..... Brooklyn, Pa
KLINE, EDWIN ..... Allentown, Pa.
LOCKWOOD, FRANCIS ..... Philadelphia, Pa.
LORENTZ, GORDON ..... Philadelphia, Pa.
MOHR, THOMAS ..... Allentown, Pa.
RUPP, LAWRENCE ..... Allentown, Pa.
THOMPSON, NEWTON ..... Philadelphia, Pa.
VEVE, JAMES ..... Humacao, P. R.

Enrollment, 12.

COMMERCIAL DEPARTMENT

AZCUE, JOSE ..... Rauchuelo, Cuba
AZQUETA, JOSE L. ..... Havana, Cuba
BIGA, JOSE ..... Humacao, P. R.
DANKEL, JOHN ..... Allentown, Pa.

DELL, CHARLES ..... Allentown, Pa.
DIAGO, JESUS ..... Havana, Cuba
ESPREILLA, NEMESIO ..... Cartagena, Col.
EDRANEY, JOSEPH ..... Bethlehem, Pa.
GALLAGER, EUGENE ..... Allentown, Pa.
GALLO, PHILLIP ..... Havana, Cuba
KAPLAN, MAXWELL ..... Allentown, Pa.
MACK, HENRY ..... Allentown, Pa.
MENDEZ, ANTONIO ..... Guantanamo, Cuba
MORGAN, FRANK ..... Easton, Pa.
OROSCO, JOSE ..... Tampico, Mexico
PERALES, JUSTO ..... Humacao, P. R.
ZAHN, HARRY ..... Philadelphia, Pa.

Enrollment, 17. Grand Total, 160.

UNDERGRADUATES

SENIORS

BENZE, W. THEODORE ..... Philadelphia
BERGER, WALTER S. ..... Bernville
BJERKOE, GEORGE ..... Brooklyn, N. Y.
BLEILER, EDGAR D. ..... Kutztown
BUTZ, SAMUEL D. ..... Kutztown
DILLMAN, WILLIS L. ..... Philadelphia
DeTURCK, MAURICE K. ..... Oley
DRUCKENMILLER, TITUS V. ..... Sellersville
EISENHARD, H. EDWIN ..... Cementon
EMERICH, LANDO ..... Auburn
FETHEROLF, RICHMOND D. ..... Jacksonville
FINCK, ELMER F. ..... New Market, Va.
GANDAL, ISADORE ..... Bethlehem
GEBERT, G. HERBERT ..... Tamaqua
GERHART, LUTHER F. ..... Philadelphia
GRESH, RALPH R. ..... Obelisk
HOFFMAN, ROY H. ..... Oley
HOWER, FRANK B. ..... Danielsville
KEHRLI, ANDREW C. ..... Scranton
KIRCHNER, EDWIN L. ..... Kingston, N. Y.
KISTLER, MYRON M. ..... Coopersburg
KNAUSS, HAROLD P. ..... Allentown
KRAMER, R. ELMER ..... Perkasie
LANTZ, THOMAS W. ..... Shiremanstown
LAZARUS, FRANK W. ..... Bethlehem
MERKLE, ROBERT G. ..... Allentown
MICKLEY, ARTHUR H. ..... Allentown
MILLER, NEVIN ..... Phoenixville
MILLER, RAYMOND A. ..... Allentown
OBERLY, ROBERT S. ..... Washington
ORR, PAUL R. ..... Phillipsburg, N. J.
RAMER, PAUL W. ..... Allentown
REX, LEON C. ..... Slatington
RITTER, CLARENCE C. ..... Allentown
SCHAEFFER, HAROLD F. ..... Allentown
SEIP, THEODORE A. ..... Allentown
SHARKEY, HARRY E. ..... Delano
SOWERS, GEORGE M. ..... Auburn
SPIEKER, PAUL F. ..... Allentown

STINE, RUSSELL ..... Allentown
TREXLER, CLIFFORD H. ..... Allentown
VOIGT, CONRAD G. ..... New Haven, Conn.
WERKHEISER, RUSSELL A. ..... Wind Gap

Seniors, 43.

JUNIORS

AFFLERBACH, RALPH H. ..... Quakertown
ALDERFER, HENRY F. ..... Souderton
BAKER, JOHN A. ..... Allentown
BALMER, GEORGE B. ..... Reading
BENNYHOFF, LUTHER ..... East Mauch Chunk
BOLICH, CHARLES M. ..... Allentown
BOYER, CARL W. ..... Kutztown
BRODELL, CHARLES E. ..... Stroudsburg
CASSONE, CARL A. ..... Allentown
CRUM, J. BIRNEY ..... Alton, Ill.
FAUST, A. FRANKLIN ..... Emaus
FRITZ, IRA S. ..... Lancaster
KLINE, JESSE G. ..... Northampton
KNAUSS, CALVIN ..... Fogelsville
KOCH, J. WALTER ..... Allentown
LUTZ, RICHARD C. ..... Philadelphia
MANN, HORACE S. ..... Bangor
MILLER, JOHN G. ..... New Market, Va.
MILLER, ROBERT K. ..... Allentown
MILLS, CHRISTIAN ..... Brodheadsville
MOSSER, WILLIAM F. ..... Allentown
NAGLE, PAUL A. ..... Allentown
NEUMOYER, JOHN H. ..... Easton
RAUCH, ERNEST A. ..... Emerald
REES, GOMER S. ..... Lehighton
ROTH, ALLEN L. ..... Slatington
RUPP, GEORGE A. ..... Allentown
SCHMERKER, FREDERICK ..... Allentown
SCHMOYER, STERLING ..... Wescoesville
SHULER, HORACE T. ..... East Texas
SOWERS, HARRY E. ..... Auburn
STROUP, RUSSELL ..... Allentown
TAGGART, AUSTIN L. ..... Norristown
TRANSUE, WILLIAM J. ..... Allentown
TROUT, JOHN A. ..... Pottstown

WAGNER, C. MORGAN ..... Strausstown
WEAVER, FLOYD H. ..... Allentown
WEAVER, PAUL F. ..... Perkasie
WEILER, FRED W. ..... Allentown
WIMMER, H. C. ..... Saucona
YEHL, RICHARD ..... Allentown
ZARTMAN, IRA F. ..... Lititz

Juniors, 42.

SOPHOMORES

ABBOTT, JOHN H. ..... Allentown
ACKER, ELMER R. ..... Souderton
BASHORE, STERLING T. ..... Schuylkill Haven
BAUER, CHARLES T. ..... Allentown
BEERWEILER, CLARENCE E. ..... Jersey Shore
BEGEL, HAROLD W. ..... Lehighton
BENNER, ROYAL D. ..... Catasauqua
DIETRICH, ALFRED M. ..... Allentown
DRUCKENMILLER, EARL ..... Sellersville
ERB, ALBERT, K. ..... Allentown
ETTINGER, SAMUEL ..... Allentown
FEDKO, ALEXANDER ..... Northampton
FENSTERMAKER, THEODORE R. ..... Allentown
FLOWER, RUSSELL ..... Gouldsboro
FRANKENFIELD, LEONARD D. ..... Butztown
GARDNER, J. RUSSELL ..... Allentown
GEBHART, JOSEPH ..... Phillipsburg
GRIMMETT, MINTON R. ..... Palmyra, Ill.
HARTMAN, JACOB E. ..... Pittsburgh
HELFRICH, ELWOOD V. ..... Allentown
HELLER, ROLAND ..... Allentown
HILDEBRAND, PAUL H. ..... Brooklyn, N. Y.
HOLSTROM, GEORGE R. ..... Superior, Wis.
HUCKE, ROBERT W. ..... Allentown
HUEY, HARRY W. ..... Elizabeth, N. J.
JOHNSON, ERNEST ..... Superior, Wis.
JOHNSON, KNUTE ..... Flandeau, S. D.
KATZMAN, PAUL L. ..... Robesonia
KLICK, MARVIN ..... Nazareth
KOEHLER, TRUMAN ..... Bethlehem
KREMSER, HAROLD L. ..... Emaus

KRONINGER, LUTHER H. ..... Allentown
KURTZ, STANLEY ..... East Greenville
LEVY, JACOB J. ..... Allentown
MATHIAS, CHARLES A. ..... Wyomissing
MATSON, EDWARD ..... Scranton
McNEIL, EDGAR W. ..... Owega, N. Y.
MESSERSMITH, QUINTIN W. ..... Fleetwood
MILLER, JAMES A. ..... New Market, Va.
NEWHARD, AARON T. ..... Northampton
NICHOLAS, GEORGE W. ..... Allentown
NUEBLING, CARL D. ..... Reading
O'CONNER, PAUL D. ..... Phillipsburg, N. J.
PHIFER, ROBERT J. ..... Coplay
REINARTZ, CHARLES H. ..... E. Liverpool, O.
REX, PERCY F. ..... Ardmore
ROEPE, CARL ..... Woodhaven, N. Y.
ROEPE, EDWARD ..... Woodhaven, N. Y.
RUFE, W. HAROLD ..... Riegelsville
SCHANZ, CHARLES ..... Jamaica, N. Y.
SEYFRIED, ERNEST A. ..... Allentown
SCHAFFER, ELMER K. ..... Allentown
SHOEMAKER, C. HENRY ..... Allentown
SHOOK, FOSTER E. ..... Easton
SHOVER, BERTRAM P. ..... Allentown
SITTLER, EARL Z. ..... Lehighton
SKEAN, WILLIAM J. ..... Pottstown
STAUFFER, ROBERT G. ..... Emaus
STEIGERWALT, CLARENCE A. ..... Snyders
STOWELL, EUGENE L. ..... Rochester, N. Y.
STRAUSE, HAROLD L. ..... Bernville
SWEITZER, LUKE ..... Geigers Mills
THAYER, JOHN A. ..... Quakertown
THOMAS, R. V. ..... Seymour, Conn.
UNVERSAGT, THEODORE ..... Topton
WALLER, RAYMOND, L. ..... Allentown
WEBB, ARTHUR O. ..... Lehighton
WEISS, HOWARD L. ..... Philadelphia
WESTON, PAUL S. ..... Allentown
WHITENIGHT, HAROLD P. ..... Allentown
WILLIAMS, FRED H. ..... Slatington
WRIGHT, CLIFFORD ..... Bethlehem

Sophomores, 72.

FRESHMEN

ALLARD, C. NORMAN ..... Wildwood, N. J.
ASH, RUSSELL ..... Pottstown
BACHERT, ORWIN W. ..... Bethlehem
BECK, MARVIN ..... Northampton
BETZ, RICHARD P. ..... Allentown
BITTNER, GEORGE A. ..... Mauch Chunk
BRATH, PETER ..... Brooklyn, N. Y.
BREWER, CLIFFORD A. ..... St. Louis, Mich.
BRONG, PAUL P. L. ..... Pen Argyl
BUEHLER, LEON D. ..... Elizabethville
BUTZ, WILLIAM B. ..... Alburtis
CAMPBELL, WILLIAM A. ..... Detroit, Mich.
CHERNANSKY, GUSTIE J. ..... Northampton
CHRISTMAN, H. TYLER ..... Pottstown
CLINE, ROBERT L. ..... Plainfield, N. J.
COOPER, SAMUEL ..... Allentown
DANIEL, FLETCHER W. ..... Chattanooga, Tenn.
DEMOLING, BERNARD ..... Milwaukee, Wis.
DeVINE, WALTER ..... Allentown
DIEFENDERFER, CHARLES E. ..... Fullerton
DiLEO, ANTHONY B. ..... Belleville, N. J.
EDWARDS, LOUIS E. ..... Allentown
EIDAM, FREDERICK ..... Reading
FARREN, DANIEL I. ..... Lehighton
FASIG, PAUL L. ..... Reading
FOLK, RALPH L. ..... Mertztown
FOX, WILLIAM L. ..... Mertztown
FREED, PAUL F. ..... Allentown
FREY, WALTER L. ..... Troy, N. Y.
FREYBERGER, EARL J. ..... Oley
FULCHER, MAX ..... Detroit, Mich.
GEHMAN, H. MAHLON ..... Bethlehem
GRAUL, CARL M. ..... Lehighton
GREENE, THOMAS ..... Palmerton
HANGEN, JOHN ..... Allentown
HARRIS, HAROLD J. ..... Wilkes-Barre
HARTZELL, RICHARD W. ..... Allentown
HEFFLEY, LLEWELLYN M. ..... Oley
HENRY, ALBERT C. ..... Bethlehem
HESS, WARREN A. ..... Cherryville
HILLEGAS, WILLIAM F. ..... Allentown
HINELINE, IRA R. ..... Easton

HODGIN, HERBERT B. ..... Greensboro, N. C.
HOLLAND, CHARLES F. ..... Freeland
HOLLENBACH, PAUL R. ..... Allentown
HUBER, HARRY I. ..... Richmond Hill, N. Y.
IMSCHWEILER, JOHN W. ..... Tremont
JORDAN, JOHN P. ..... Fullerton
KELCHNER, CLYDE ..... Allentown
KERN, LEE ..... Slatington
KINDT, ALLEN S. ..... Walnutport
KINTZING, HARRY ..... Belleville, N. J.
KLEINGINNA, PAUL R. ..... Atlantic City, N. J.
KNAPPENBERGER, FRED ..... Mertztown
KNIES, HERMAN E. ..... Catasauqua
KOCH, ALFRED A. ..... Allentown
KOHLER, RALPH D. ..... Egypt
KOSTENBADER, CARL ..... Catasauqua
KRAMER, HARRY ..... Catasauqua
KRAUSS, BERT ..... Allentown
KRICK, EDWARD G. ..... Allentown
KRONINGER, PAUL ..... Allentown
KUNKLE, BRINTON L. ..... Brodheadsville
KUSS, A. CHARLES ..... Allentown
LAWALL, EUGENE O. ..... Allentown
LEBO, ELLERSLIE L. ..... Lykens
LENGEL, D. H. H. ..... Shoemakersville
LONG, WILMER H. ..... Fullerton
MAGLIN, RAYMOND R. ..... Richmond Hill, N. Y.
MARKOWITZ, SAMUEL ..... Allentown
McKEE, HOCKLEY ..... Catasauqua
MESSINGER, CHRISTOPHER ..... Kingston, N. Y.
MICHALENA, NESTOR ..... Lima, Peru
NAGLE, ARTHUR J. ..... Allentown
O'BRIEN, JOHN R. ..... Allentown
ORR, ROBERT ..... Pottstown
OXENREIDER, EARL S. ..... Rehrersburg
PREUSS, FREDERICK E. ..... Ridgewood, N. Y.
RAHN, E. STANLEY ..... Allentown
REILEY, MATTHEW F. ..... Allentown
REINBOLD, M. D. ..... Onset
REINHARD, CLAUDE E. ..... Cherryville
REPASS, JOHN H. ..... Mercersburg
REYES, JOSE ..... Nicaragua, C. A.

RIGGS, GEORGE H. ..... Belleville, N. J.
ROESSLER, JOHN H. ..... Fullerton
ROGERS, ALVIN T. ..... Richmond Hill, N. Y.
ROTH, ALLEN H. ..... Freeland
RUTT, WALTER E. ..... Bangor
SCHAADT, LAWRENCE D. ..... Allentown
SCHAEFFER, WILLIAM A. H. .....Lindenhurst, N. Y.
SCHATZ, RALPH H. .....Allentown
SCHMEHL, KERMIT H. ..... Fleetwood
SCHWEIMLER, STANLEY S. ..... Reading
SELTZER, GEORGE R. ..... Lebanon
SHAFFER, SYDNEY ..... Allentown
SHOEMAKER, PAUL T. ..... Northampton
SIEGER, GEORGE McC. ..... Lancaster
SKIDMORE, JOEL K. .....Richmond Hill, N. Y.
SMITH, PAUL J. ..... Allentown
SNYDER, ARTHUR P. ..... Catasauqua
STELTZ, FORREST L. ..... Pottstown
SUMM, CLYDE ..... Brooklyn, N. Y.
TAYLOR, EDWARD M. ..... Belleville, N. J.
TURSI, SILVIO ..... Demarest, N. J.
UTZ, ALBERT ..... Wilkes-Barre
WAGNER, WALTER E. ..... Pen Argyl
WESCOE, PAUL R. ..... Allentown
WILSON, TRACIE W. ..... Belleville, N. J.
WINKELMANN, HOWARD H. ..... Brooklyn, N. Y.
WINN, MONO B. ..... Ossining, N. Y.
WITT, ARCHIE J. ..... Detroit, Mich.
YOUNG, WALTER C. ..... Catasauqua
ZIEBER, ELMER E. ..... Reading
COSTENBADER, HENRY ..... Slatington

Freshmen, 115.

TEACHERS' EXTENSION COURSES

ABERNATHY, R. R. ..... Catasauqua, Pa.
ACKER, E. RICHARD ..... Souderton, Pa.
AFFLERBACH, RALPH H. ..... Quakertown, Pa.
ALBRIGHT, WALTER H. ..... Blooming Glen, Pa.
ALLEN, EDNA M. ..... Wilkes-Barre, Pa.
ALLOWAY, REXFORD D. ..... Limeport, Pa.
ALTHENN, GEORGIANNA ..... Allentown, Pa.
ALTMILLER, ETHEL M. ..... Hazleton, Pa.
ALTMILLER, FLORENCE ..... Hazleton, Pa.
ALTMILLER, GRACE M. ..... Hazleton, Pa.
ANGLE, LOUISE M. ..... Allentown, Pa.
ANGSTADT, ELTON ..... Dryville, Pa.
APGAR, ANNA ..... Allentown, Pa.
BAAS, FLORENCE ..... Bethlehem, Pa.
BACHMAN, HARRIET C. ..... Allentown, Pa.
BACHMAN, JENNIE ..... Allentown, Pa.
BACHMAN, MARGARET ..... Allentown, Pa.
BACHMAN, MINNIE C. ..... Bethlehem, Pa.
BANTA, D. ESTELLE ..... Boonton, N. J.
BANTA, EMILY L. ..... Boonton, N. J.
BARHAM, MARGARET ..... Newport News, Va.
BARTHOLOMEW, I. H. ..... Bethlehem, Pa.
BAUER, CHAS. F. ..... Allentown, Pa.
BAUM, ANNA H. ..... Hazleton, Pa.
BAVER, CLINTON ..... Orwigsburg, Pa.
BEAHM, FLORENCE ..... E. Greenville, Pa.
BEAN, FRANCES E. ..... Lansdale, Pa.
BECKWITH, FLORENCE ..... Phillipsburg, N. J.
BEIDLER, HELEN M. ..... Allentown, Pa.
BELLIS, GEO. E. ..... Catasauqua, Pa.
BENFIELD, CHAS. E. ..... Allentown, Pa.
BENNER, EMMA S. ..... Bethlehem, Pa.
BERGSTRESSER, IRENE G. ..... Allentown, Pa.
BERNHARD, HANNAH L. ..... Allentown, Pa.
BEST, LEROY ..... Schnecksville, Pa.
BETZ, RICHARD ..... Allentown, Pa.
BEVAN, MARY ..... Mauch Chunk, Pa.
BEVAN, MYRTLE C. ..... Hazleton, Pa.
BIEBER, BEULAH ..... Allentown, Pa.
BILHEIMER, CHAS. H. ..... Northampton, Pa.
BITTENBENDER, JENNIE ..... Allentown, Pa.

BITTNER, MARGARET ..... Allentown, Pa.
BITTNER, MARK ..... Allentown, Pa.
BISBING, MYRTLE ..... Lehighton, Pa.
BLAESER, A. A. ..... Allentown, Pa.
BLANK, G. DEWEY ..... Bethlehem, Pa.
BLEILER, EDGAR D. ..... Kutztown, Pa.
BLUMER, EMILY M. ..... Allentown, Pa.
BLUMER, LUCY ..... Allentown, Pa.
BONNER, MARY ..... Drifton
BORNMAN, SADIE ..... Allentown
BORTZ, BESSIE ..... Allentown
BORTZ, IRENE ..... Allentown
BOWMAN, MAMIE ..... Palmyra
BOYER, CARL W. ..... Kutztown
BOYER, RUTH E. ..... Allentown
BRAUCHER, W. E. ..... Palmerton
BRAY, WILLIAM R. ..... Freeland
BREINIG, CLARISSA H. ..... Allentown
BRINGENBERG, EDW. ..... W. Hazleton
BRINKER, BEATRICE ..... Sellersville
BROADST, BERTHA E. ..... Hazleton
BROBST, CHAS. ..... Tamaqua
BROUGHAL, NELLIE ..... Bethlehem
BROWN, ANNETTA T. ..... Summit, N. J.
BRYAN, ALMA ..... Perkasie
BUCKALEW, ELSIE E. ..... Allentown
BURG, RUTH M. ..... Allentown
BURGESS, EDNA ..... Moundsville, W. Va.
BURNELL, JANET ..... Palmerton
BUSS, EMALINE ..... Catasauqua
BUSS, MABEL I. ..... Allentown
BUTLER, GERALD ..... Angels
BYRNE, AGNES ..... Hazleton
BYRNE, ISABEL ..... Hazleton
CAMPBELL, VIOLET ..... Quakertown
CANNON, CLARE ..... Allentown
CANTLIN, A. H. S. ..... Allentown
CANTLIN, MRS. A. H. S. ..... Allentown
CARR, MARY E. ..... Hazleton
CASSONE, CARL ..... Allentown
CHARLES, JACOB O. ..... Norristown
CHARLES, J. OTIS ..... Emaus
CHRISTMAN, F. A. ..... Northampton

CHUBBUCK, MARY A. ..... Allentown
COLE, FLORENCE M. ..... Allentown
COLE, JOHN S. ..... Allentown
COOK, MARGARET ..... Newark, Del.
COOLEY, ANNE J. ..... Bethlehem
COMPTON, ELVA M. ..... Bethlehem
COMPTON, MABEL ..... Bethlehem
COSTELLO, CATHARINE F. ..... Allentown
CRESSMAN, CHARLOTTE G. ..... Quakertown
CRESSMAN, W. O. ..... Allentown
CROWLEY, JOSEPH G. ..... Steelton
CUMMINGS, HELEN ..... Northampton
CUNNINGHAM, MARGARET ..... Allentown
DAMMERICH, ETHEL ..... Allentown
DANKEL, CHAS. W. ..... Allentown
DANKEL, GERTRUDE ..... Macungie
DANKEL, JAMES ..... Topton
DANKEL, WM. E. ..... Allentown
DARROHN, ALICE G. ..... Allentown
DAVID, BERT B. ..... Lehighton
DAVIES, MARY C. ..... Allentown
DeGRAFF, ADRIANNA ..... Catasauqua
DEISCHER, CLAUDE K. ..... Emaus
DEMMERICH, ALMA P. ..... Catasauqua
DENGLER, C. F. ..... Shickshinny
DETURCK, MAURICE ..... Allentown
DEYSHER, DOROTHY ..... Emaus
DIEHL, CAROLINE ..... Allentown
DIERUFF, LOUIS E. ..... Allentown
DIETZ, FRANKLIN S. ..... Coopersburg
DINKEY, PHOEBE S. ..... Allentown
DONALDSON, HELEN M. ..... Alliance, Ohio
DRIEFOOS, HATTIE ..... Allentown
DOUGHERTY, BRIDGET ..... Allentown
DOUGHERTY, MARY ..... Hazleton
DOUGLASS, HARRIET ..... Allentown
DUNKERLE, EDITH ..... Hazleton
DURHAM, HANNAH M. ..... Allentown
DURHAM, J. EDW., JR. ..... Allentown
EBERTS, JOSEPH W. ..... Weissport
EDWARDS, JUSTINE ..... Long Island, N. Y.
EICHLIN, EVELYN R. ..... Riegelsville
EISENHARD, C. W. ..... Mountainville

EISENHARD, HERBERT E. ..... Cementon
ELY, DORA H. ..... Hazleton
EMERICK, LANDO ..... Auburn
ERDMAN, ELLA M. ..... Allentown
EROH, AGATHA M. ..... Allentown
ETTINGER, AMOS A. ..... Allentown
EVANS, JOHN D. ..... Hazleton
EVERT, MRS. MARTHA ..... Hazleton
FABER, E. S. ..... Allentown
FAIRCHILD, ENOLA G. ..... Bethlehem
FALK, MAGGIE M. ..... Catasauqua
FALKNER, KATHARINE ..... Bethlehem
FARREN, ARLENE ..... Lehighton
FAUST, FRANKLIN A. ..... Emaus
FAUST, KATE J. ..... Macungie
FELLMAN, MARY ..... Quakertown
FEY, MARY W. ..... Hazleton
FEYRER, ANNA M. ..... Allentown
FISHEL, SPENCER ..... Bethlehem
FLACK, MARY M. ..... New Hope
FLAGG, DOROTHY L. ..... Meriden, Conn.
FOLEY, MRS. JESSIE ..... Allentown
FOREMAN, ANNA ..... Allentown
FORSTLER, FLORENCE I. ..... Allentown
FORSTLER, MAE E. ..... Allentown
FOSTER, ELIZABETH ..... Salem, Va.
FOULKE, FLORENCE ..... Allentown
FOWLER, SUE A. ..... Hazleton
FOX, AARON R. ..... Barto
FOX, CATHARINE ..... Bethlehem
FOX, WILLIAM ..... Mertztown
FRETZ, RUTH M. ..... Perkasie
FRETZ, MRS. J. F. ..... Perkasie
FRETZ, MARCELLA ..... Coppersburg
FREY, MABEL J. ..... Allentown
FREY, NORMAN L. ..... Emaus
FREYMAN, RUSSEL J. ..... Allentown
FRITCH, HERBERT J. ..... Lehighton
FRONHEISER, MRS. MARY ..... Bowmanstown
FULLMER, MARY ..... Hazleton
GABRIEL, SARA S. ..... Coopersburg
GACKENBACH, DALLAS ..... Old Zionville
GAFFNEY, JOHN A. ..... Evervale
GALLAGHER, HUGH E. ..... Allentown

GALLAGHER, KATHRYN ..... Allentown
GALLAGHER, MARY A. ..... Allentown
GAMBLE, KATHRYN E. ..... Jersey Shore
GARDNER, J. R. ..... Allentown
GEARY, ELEANOR W. ..... Wallingford
GEHMAN, ELMER ..... Macungie
GEIDNER, DOROTHY M. ..... Allentown
GEISINGER, WM. ..... Richlandtown
GELPKE, MARY ..... Phillipsburg, N. J.
GENSLER, WILLIAM ..... Allentown
GEORGE, HELEN M. ..... Allentown
GETTINGER, EDNA ..... Milnesville
GIBSON, M. PRICE ..... W. Bethlehem
GILBERT, E. HELEN ..... Allentown
GILBERT, KATHRYN ..... Allentown
GILLESPIE, MARY ..... Hazleton
GIRVIN, C. EDNA ..... Allentown
GLASS, CATHARINE ANNA ..... Hazleton
GOCKLEY, C. M. ..... Hokendauqua
GOLDHAMMER, ISADORE ..... Allentown
GOOD, ELEANOR E. ..... Irwin, Pa.
GOTTHARDT, DOROTHY E. ..... Allentown
GOUGHER, BEATRICE ..... Northampton
GRAMMES, HARRIET A. ..... Allentown
GRAGER, ANDREW J. ..... Beaver Brook
GREBEY, HARRY F. ..... Hazleton
GREENAMOYER, ROY ..... Nazareth
GRETH, MORRIS S. ..... Shoemakersville
GUTH, WM. L. ..... Allentown
HAAS, ANNIE E. ..... Allentown
HAAS, NEVIN B. ..... Topton
HAHN, ADELAIDE ..... Hollywood, Cal.
HAHN, HATTIE M. ..... Nazareth
HAHN, NELLIE ..... Allentown
HALLER, ALMA G. ..... Allentown
HALLMAN BLANCHE E. ..... Allentown
HANEY, MRS. MAE ..... Coopersburg
HANLON, MARY ..... Allentown
HARTMAN, ESTHER ..... Allentown
HAUSMAN, ELMER ..... Slatington
HAUSMAN, MRS. ELSIE ..... Allentown
HAWK, MARY L. ..... Steckertown
HEBERLING, LUCY M. ..... Allentown
HEBERLING, MABEL ..... Allentown

HECK, MAE ELMA ..... East Greenville
HECKMAN, ELSIE M. ..... Allentown
HECKMAN, IRWIN ..... Hamburg
HECKMAN, MIRIAM ..... Allentown
HEFFNER, MAME E. ..... Allentown
HEILMAN, W. F. ..... Allentown
HEISER, WARREN G. ..... Alburtis
HEIMBACH, MILDRED ..... Allentown
HELFERTY, CATHERINE D. ..... Hazleton
HELLER, ALLEN T. ..... Emaus
HELLER, AMBROSE ..... Allentown
HELLER, J. ROLAND ..... Allentown
HEMMERLY, KENNETH ..... Allentown
HERBEIN, WM. ..... Bowers
HERBER, ELMER C. ..... Pleasant Valley
HERBER, HOWARD ..... New Tripoli
HERBERT, MRS. GEO. ..... Allentown
HERBERT, GEO. ..... Allentown
HERR, R. FRANK ..... East Greenville
HERZOG, ... Oley
HESS, JOHN T. ..... Bangor
HILDERBRAND, PAUL ..... Brooklyn
HILDT, HENRY E. ..... Hellertown
HILL, HENRY C. ..... Hazleton
HINKLE, AMOS R. ..... Hazleton
HINKLE, PAULINE F. ..... Allentown
HINKLE, MARIE ..... Allentown
HINTERLEITER, O. J. ..... Mertztown
HOCH, EZRINE ..... Allentown
HOCH, SAMUEL H. ..... Fleetwood
HOCH, MIRIAM ..... Allentown
HOFFMAN, WALTER ..... Ferndale
HOLMAN, ANNA M. ..... Allentown
HOPPES, ROBERT R. ..... Hellertown
HORN, IDA A. ..... W. Hazleton
HORNE, WARREN M. ..... Quakertown
HOVER, LYNN A. ..... Hazleton
HUEY, H. WILLIAM ..... Elizabeth, N. J.
HUEY, HARRY W. ..... Allentown
JACKSON, CATHERINE ..... Doylestown
JACOBS, ARIO B. ..... Milnesville
JACOBY, WM. ..... Portland
JAMES, ADA ..... Palmerton
JAMES IDA C. ..... Bethlehem

JONES, ANNA T. ..... Allentown
JONES, FLORENCE ..... Slatington
JONES, MRS. MAURICE ..... Slatington
JORDAN, CARRIE ..... Coopersburg
KECK, BETTY ..... Allentown
KEENAN, ELLEN ..... Doylestown
KEENAN, ELIZABETH ..... Doylestown
KEISER, PEARL ..... Milford Square
KELLEY, ELIZABETH ..... Bethlehem
KEMMERER, AMELIA ..... Allentown
KEMMERER, MILDRED ..... Allentown
KENNEDY, HELEN M. ..... Erie
KENNEDY, VERNA ..... Northampton
KEPNER, ANNA C. ..... Allentown
KERN, ALICE ..... Coopersburg
KINDT, OLIVIA ..... Walnutport
KISTLER, ALFARATA P. ..... Allentown
KISTLER, KATHERINE M. ..... Allentown
KISTLER, LUCY M. ..... Allentown
KLECKNER, MARGUERITE ..... New Castle
KLEIN, MARGARET ..... Allentown
KLICK, MARVIN ..... Nazareth
KLINE, EMMA ..... Allentown
KLINE, FLORENCE M. ..... Allentown
KLINE, HILDA ..... Allentown
KLINE, JESSE ..... Northampton
KLINGAMAN, LEON B. ..... Allentown
KNAPPENBERGER, FRED ..... Mertztown
KNECHT, RUTH B. ..... Allentown
KNEDLER, KATHRYN ..... Bethlehem
KOCH, JOHN G. ..... Northampton
KOEGEL, CHRISTIE ..... Lehighton
KOEHLER, EVELYN ..... Lansdale
KOHLER, E. P. ..... Emaus
KOHLER, MARY ..... Palmerton
KOONS, ELIZABETH A. ..... Allentown
KRAMER, EILEEN ..... Coplay
KRAMER, ELMER R. ..... Perkasie
KRATZ, SARAH ..... Allentown
KRAUSE, BLANCHE ..... Bethlehem
KRELL, KATHERINE C. ..... Hazleton
KRESGE, MARIAN ..... Allentown
KRESSLEY, N. BLANCHE ..... Allentown
KRESSLEY, RUTH ..... Allentown

KUDER, MARY J. ..... Bethlehem
KUHLKOPF, LOUISE S. ..... York
KUHNS, LUTHER ..... Norristown
KUNKEL, LENNIE ..... Stony Run
KUNTZ, MARTIN ..... Treichlers
KUNTZ, EDITH ..... Allentown
KULP, LOUIS ..... Perkasie
KUNTZ, HENRY ..... Lehighton
LANDIS, H. BLANCHE ..... Chalfont
LANDIS, R. C. ..... Emaus
LANDIS, S. B. ..... Walnutport
LAROSE, MINNIE M. ..... Allentown
LAROSE, JESSE E. ..... Philadelphia
LAUBACH, B. W. ..... Catasauqua
LAUDENSLAGER, EDNA ..... Allentown
LAWALL, MARY G. ..... Catasauqua
LAURENCE, MARGARET E. ..... Bethlehem
LAWRENCE, HELEN M. ..... Bethlehem
LEASER, STELLA H. ..... Allentown
LEESER, M. R. ..... Mertztown
LEFEVRE, ROBERT G. ..... Lancaster
LEHR, HELEN S. ..... Stockertown
LEIBENSPERGER, GRACE ..... Allentown
LEIBY, MARY ..... Allentown
LENGEL, DANIEL H. H. ..... Mauch Chunk
LEISENRING, LOUISE ..... Allentown
LENHART, FLORA ..... Allentown
LESSIG, ARDATH M. ..... Topton
LEWIS, ANNE M. ..... Allentown
LEWIS, CASSANDRA A. ..... Scranton
LEWIS, MARGARET A. ..... Scranton
LICHTY, CARMI K. ..... Orefield
LINSENBIGLER, HOWARD ..... Red Hill
LITTLE, MARGARET ..... Allentown
LOBACH, MARGUERITE L. ..... Myersdale
LONG, JOHN H. ..... Mertztown
LONZER, HILDA ..... Hazleton
LOUGHMAN, KATHRYN ..... Allentown
LUBRECHT, ANNA ..... Hazleton
LUCKENBACH, HELEN M. ..... Northampton
LYMAN, ESTHER S. ..... Allentown
MacFARLANE, EMMA ..... Hazleton
McFADDEN, ANNA ..... Allentown
McFADDEN, KATHERINE ..... Hazleton

McFARLAND, HELEN G. ..... Oakdale
McGILL, MARY ..... Jeddo
McGUINESS, JAMES M. ..... Lattimer Mines
McHUGH, MARGARET ..... Hazleton
McKEEVER, FLORENCE E. ..... Allentown
McMONIGLE, MICHAEL E. ..... Hazleton
McNABB, WM. H. ..... Allentown
McNEIL, HELEN ..... Allentown
MACAULAY, B. MARGARET ..... Allentown
MACK, JOSEPHINE ..... Bethlehem
MADTES, EDNA G. ..... Allentown
MAGEE, ANNA V. ..... Allentown
MANSUR, ALICE M. ..... Allentown
MANTZ, WARREN ..... Saegersville
MANWILLER, LLOYD R. ..... Hazleton
MARBERGER, EFFIE ..... Allentown
MARKOWITZ, BETTY ..... Allentown
MARCKS, MARJORIE ..... Emaus
MAURER, MAE M. ..... Allentown
MAYER, BEULAH B. ..... Catasauqua
MEASE, MABELLE ..... Allentown
MEIXELL, EUGENE ..... Hellertown
MELICK, W. R. ..... Bethlehem
MERTZ, CARRIE ..... Lehighton
MEST, GRACE M. ..... Allentown
MEYER, ERMA ..... Northampton
MEYER, STELLA G. ..... Hazleton
MICH, ELLA A. ..... Ottsville
MILLER, E. E. ..... Orefield
MILLER, RAYMOND C. ..... Allentown
MILLER, WAYNE D. ..... Zionsville
MORAN, ANNA G. ..... Hazleton
MORSHEIMER, LENA E. ..... Bethlehem
MOYER, HELEN M. ..... Topton
MOYER, MAMIE L. ..... Allentown
MOYER, MARY ..... Ferndale
MOYER, MIRIAM ..... Ferndale
MULL, LAURA H. ..... Allentown
MUNROE, EUPHEMIA ..... Hazleton
MUNROE, FRANK D. ..... Hazleton
MUSSELMAN, VIOLET ..... Quakertown
MUSSELMAN, W. E. ..... Allentown
MUTH, DAWSON H. ..... Pleasant Valley
MYERS, MARIAN S. ..... Blooming Glen

NAGLE, PAUL ..... Allentown
NAGLE, MORRIS C. ..... Allentown
NEELD, EMMA M. ..... Frankford
NEFF, ESTHER ..... Allentown
NEIDIG, ESTHER S. ..... Quakertown
NEIDIG, JOSEPH ..... Quakertown
NEUMEYER, J. H. ..... Easton
NEVERLA, MINERVA E. ..... Allentown
NEWHARD, STELLA E. ..... Allentown
NICHOLS, BERNICE ..... Purcellville, Va.
NOONAN, JOSEPH F. ..... Mahanoy City
NUEBLING, CARL D. ..... Allentown
OCKSREIDER, RUTH ..... Hazleton
O'DONNELL, ANNA ..... Ebervale
O'DONNELL, CARTHARINE C. ..... Hazleton
O'DONNELL, KATE A. ..... Hazleton
OKELL, GERTRUDE L. ..... Miami, Fla.
OLD, ORLANDO ..... Allentown
OLSON, ALICE L. ..... Bethelhem
OLSON, EDITH R. ..... Bethelhem
OLWEILER, ANNA K. ..... Elizabethtown
ORNDORFF, EDYTH ..... Allentown
ORR, PAUL ..... Phillipsburg, N. J.
OTT, ARTHUR R. ..... Coopersburg
OTT, MARIAN ..... Coopersburg
PANELL, ESTHER ..... Minersville
PAUL, ELIZABETH S. ..... Quakertown
PAUL, MAUDE L. ..... Weatherly
PENNEBACKER, HANNAH ..... Allentown
PERSON, MABEL S. ..... Allentown
PETTIT, CARRIE M. ..... Parryville
PHIFER, EVELYN ..... Coplay
PHILLIPS, CHAS. M. ..... Centerport
PICKIN, RUTH M. ..... Allentown
PILGERT, HENRY ..... Mertztown
POLSTER, MOLLIE M. ..... Dover, N. J.
PRIM, ARNER ..... Hazleton
PRIM, SARA ..... Hazleton
PROTZELLAR, DORA E. ..... Allentown
PULLEN, MURIEL F. ..... Hazleton
RAHMER, ANNA ..... Allentown
RAKER, D. ESTELLA ..... Allentown
RAKSANYI, MADELINE A. ..... South River, N. J.
RAUB, ANNA E. ..... Allentown

RAUB, MARY G. ..... Allentown
RAUSCH, ANNA C. ..... Allentown
RAUSCH, KATHERINE ..... Allentown
RAUSCH, MARY D. ..... Allentown
REES, DOROTHY ..... Allentown
REILLY, MRS. MARY ..... Bethlehem
REILLY, MATTHEW ..... Bethlehem
REIMER, GRACE D. ..... Easton
REINERT, FRED ..... Saucona
REINERT, GEORGE A. ..... Macungie
REINERT, RUSSEL C. ..... Alburtis
REINERT, I. T. ..... Alburtis
REX, HARRIET M. ..... Allentown
REX, PERCY ..... Allentown
RICHARDS, ADELAIDE ..... Allentown
RICHARDS, SOPHIA ..... Allentown
RICHARDS, DORRICE ..... Allentown
RICHWINE, GEORGE ..... Camp Hill
RIPPEL, MARTHA M. ..... Hazleton
RITTER, RUTH ..... Macungie
RITTER, ANNA ..... Allentown
ROARTY, MARGARET A. ..... Allentown
ROBERTS, ELEANOR ..... Slatington
ROEDER, DOROTHY M. ..... Allentown
ROMIG, ELLEN N. ..... Allentown
ROMIG, IRWIN ..... Shamrock
ROSSITER, HELEN E. ..... Sunbury
ROTH, GEORGE ..... Allentown
ROUSH, MARY D. ..... Esterly
ROYER, PAULINE ..... Northampton
RUCH, HARLEY ..... Allentown
RUFE, MARY ..... Allentown
RUHE, MAE A. ..... Allentown
RULOFF, MAUDE J. ..... Allentown
RUPP, GEORGE ..... Allentown
RYAN, MARY G. ..... Hazleton
SAEGER, ELLA F. ..... Northampton
SCHAEFFER, EMMA ..... Hazleton
SCHAFFER, H. F. ..... Allentown
SCHAFFER, WILLIAM ..... Allentown
SCHAFFER, I. L. ..... Northampton
SCHALLER, MARY F. ..... Hazleton
SCHANTZ, HATTIE A. ..... Allentown
SCHEIRER, IRENE ..... Allentown

SCHLEPPY, GARNET E. ..... Hazleton
SCHLICHER, DOROTHY ..... Allentown
SCHMERKER, CHARLOTTE ..... Allentown
SCHMID, CATHARINE N. ..... Allentown
SCHMOYER, HERBERT B. ..... Allentown
SCHNECK, SARAH T. ..... Allentown
SCHNECK, MIRIAM ..... Allentown
SCHOENER, RALPH E. ..... Stouchsburg
SCHOCK, BERNETTE W. ..... Hamburg
SCHOENLY, HELEN ..... Allentown
SCHROPE, GUY S. ..... Allentown
SCHUBERT, S. D. ..... Shimersville
SCHULER, HORACE ..... East Texas
SCHWARZ, MELBERT E. ..... Hazleton
SCOTT, MADGE D. ..... Hazleton
SEAMAN, WILLIAM R. ..... West Leesport
SECHRIST, HELEN ..... Allentown
SEIP, JANE ..... Allentown
SEIP, OSWELL ..... Allentown
SEIP, WM. ..... Royersford
SEIP, WINIFRED ..... Allentown
SEIP, THEODORE ..... Allentown
SELLERS, NETTIE T. ..... Mertztown
SENGLE, WILLARD C. ..... Allentown
SEWELL, ROBERT R. ..... Allentown
SHARKEY, HARRY E. ..... Allentown
SHAW, LILLIAN ..... Quakertown
SHECKLER, FRANCES H. ..... Catasauqua
SHELLING, ELIZABETH ..... Allentown
SHERWIN, RUTH M. ..... Allentown
SHIMER, M. MARGARET ..... Allentown
SHINEHOUSE, EDNA G. ..... Allentown
SHOEMAKER, HENRY ..... Macungie
SHOEMAKER, JOHN ..... Mertztown
SHOEMAKER, WM. A. ..... Macungie
SIEGEL, EVELYN ..... Williamsport
SIEGFRIED, CAROLYN L. ..... Allentown
SINGMASTER, EDITH ..... Sellersville
SINGLEY, MAURICE ..... Delano
SKILES, AMOS F. ..... Allentown
SMITH, HELEN ..... W. Hazleton
SNYDER, ALFRED E. ..... Walnutport
SNYDER, CARRIE ..... Allentown
SNYDER, JOHN ..... Allentown

SNYDER, LAURA ..... Allentown
SNYDER, MAUDE E. ..... Allentown
SNYDER, MILDRED ..... Quakertown
SNYDER, E. MIRIAM ..... Allentown
SPECHT, ELIZABETH ..... Hazleton
SPENCE, MARY ..... Allentown
SPIEKER, PAUL F. ..... Allentown
SPRINGER, JOSEPH G. ..... Topton
STAMM, RHEA MAY ..... Milton
STECKEL, A. D. ..... Allentown
STECKROTH, JOHN G. ..... Hazleton
STEELE, KATHLEEN ..... Purcellville, Va.
STEINMETZ, JENNIE M. ..... Allentown
STEGMEIER, ALVA ..... Allentown
STELTZ, ANNA A. ..... Allentown
STEVER, ESTHER ..... Walnutport
STOVER, ANNA MAY ..... Kintnerville
STRAUB, OLIVE ..... Allentown
STROCK, CARRIE L. ..... Allentown
STROCK, ESTHER ..... Springtown
STROCK, MARY ..... Springtown
STROHMEIER, ADELLA E. ..... Easton
STRUNK, LEROY ..... Quakertown
STUART, REBECCA S. ..... Allentown
STUBER, DORA M. ..... Allentown
STUMPF, CATHERINE ..... Hazleton
STUMPF, LENA ..... Hazleton
STUBBLEHINE, EMILY G. ..... Easton
SWARTZ, BESSIE ..... Allentown
SWEIGARD, ROLAND C. ..... Springtown
SWEITZER, LUKE ..... Geigers Mills
THIEROLF, WALTER ..... Easton
THOMAS, GEO. E. ..... Allentown
TINNER, KATHERINE ..... Hazleton
TOWNSEND, ALVARETTA D. ..... Bethlehem
TREXLER, GEO. M. ..... Mertztown
TREXLER, JUNE M. ..... Allentown
TREXLER, LOIS K. ..... Allentown
TRANSUE, WM. J. ..... Catasauqua
TRITSCHLER, LOUISE ..... Allentown
TRUMBOWER, MABEL ..... Bethlehem
TURSI, SILVIO ..... Demarest, N. J.
TURSINOW, ... Bethlehem
UTZ, PAULINE ..... Wilkes-Barre

VAIL, GEORGIANNA ..... New York
VANDERVEER, MARJORY L..... Richfield Springs, N. Y.
VOGEL, FRANCES A. ..... Allentown
WADE, GLADYS D. ..... Summit, N. J.
WAGNER, CLARENCE K..... Lehighton
WAGNER, LILLIAN ..... Hazleton
WALP, MARY E. ..... Quakertown
WALTER, MRS. EMMA C. ..... Allentown
WARD, MILDRED M. ..... Salisbury, Md.
WARREN, M. LOUISE ..... Newport News, Va.
WATSON, HELEN ..... Doylestown
WATSON, RENA ..... Doylestown
WATTS, MAMIE E. ..... Sellersville
WEAVER, A. MAE ..... Quakertown
WEAVER, ELIZABETH ..... Bethlehem
WEAVER, FLOYD H. ..... Allentown
WEAVER, RUTH H. ..... Allentown
WEBB, E. J. ..... Pinegrove
WEHR, FLOSSIE I. ..... Allentown
WEIDNER, CATHRYN A, ... Allentown
WEIERBACH, FRED R. ..... Bethlehem
WEIERBACH, U. S. ..... Nazareth
WEIERBACH, HELEN ..... Pleasant Valley
WEILLER, HARRY ..... Allentown
WEINBERGER, HELEN ..... Zionsville
WEINBERGER, LAURA ..... Quakertown
WEISHAMPEL, JOHN A..... Allentown
WEISS, ELIZABETH ..... Bethlehem
WEISS, JOHN J. R. ..... Bethlehem
WENNER, JENNIE ..... Emaus
WERNER, CLARA B. ..... Weatherly
WERNER, KATHARINE B..... Allentown
WENTZ, ESTELLA ..... Quakertown
WENT, MARY ..... Parryville
WENTZ, RUTH ..... Quakertown
WERTZ, JOHN ..... Allentown
WESTON, ANNA ..... Allentown
WETHERHOLD, ANGELINE..... Allentown
WHITE, MAY ..... Allentown
WHITING, HELEN L. ..... Bethlehem
WHITENIGHT, RUTH ..... Bethlehem
WEIGAND, MINNIE C. ..... Hazleton
WILLIAMS, ADA J. ..... Hazleton
WILLIAMS, BESSIE ..... Hazleton

WILLIAMS, HELEN ..... Allentown
WILLIAMS, MARGARET ..... Hazleton
WILLIS, ELIZABETH E. ..... Lehighton
WIMMER, H. C. ..... Bingen
WIND, DOROTHY ..... Allentown
WINTERS, SALLIE ..... Allentown
WINGERT, BLANCHE P. ..... Allentown
WIRTH, ELSIE M. ..... Bethlehem
WISMER, LULU ..... Allentown
WITTICH, GEORGIA F. ..... Allentown
WITMER, KATHRYN ..... Reamstown
WOLFINGER, E. DAY ..... Smithburg, Md,
WOHLSEN, REV. P. M. ..... Wilkes-Barre
WOOD, FRANCES ..... Allentown
YAXTHEIMER, HARRY ..... Emerald
YEHL, RICHARD ..... Allentown
YELLIS, HARRIET ..... Allentown
YOST, HERMAN B. ..... Hazleton
YOUNG, CAROLINE ..... Allentown
YOUNG, MARGARET ..... Northampton
ZIEGLER, ANNA ..... Allentown
ZIMMERMAN, LEONTINE ..... Allentown

Total, 633.

SUMMARY

SENIORS	43	
JUNIORS	42	
SOPHOMORES	72	
FRESHMEN	115	
TOTAL UNDERGRADUATES		272
EXTENSION COURSE		633
PREPARATORY SCHOOL		160
TOTAL		1065
NAMES APPEARING TWICE		40
TOTAL		1025

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